MILLS MOVABLE WALLS

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A.I.A. 35-H-6

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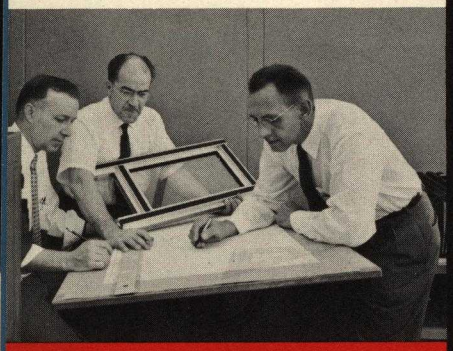
THE JOINT IS THE KEY



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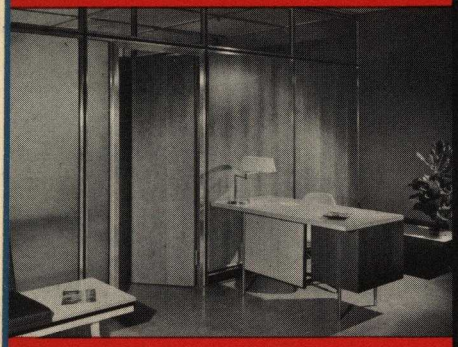
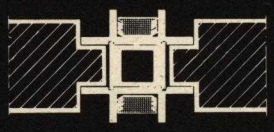
PAGE 4

RESEARCH and DEVELOPMENT

Since its organization in 1921, The Mills Company has continually researched and developed new and better methods of interior space control to meet the changing needs of modern business and progressive architectural concepts. While developing new partitions, Mills is always able to supply additions or replacements for former installations. Results of finish performance tests and sound transmission tests are listed on Page 4.





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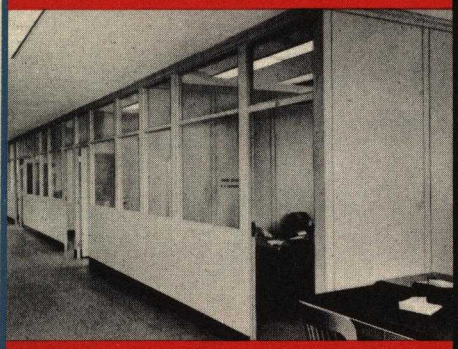
PAGES 5-7

ALUMINUM FRAME PARTITIONS

A new concept that offers a handsome method of space division, yet is completely interchangeable to facilitate layout changes. Satin finish aluminum frames, and striking vinyl trim offset a wide choice of insert panels with simplicity and fine taste. Unique $2\frac{1}{2}''$ wide universal posts (Pat. pending) receive $^{15}/_{16}''$ or $2\frac{1}{8}''$ thick panels, and allow for future extensions without post replacement.



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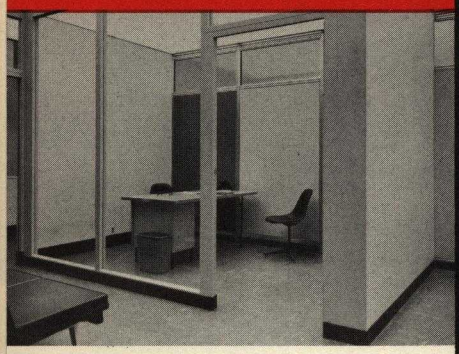
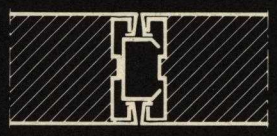
PAGES 8-11

FLUSH PILASTER PARTITIONS

Widely used in office buildings, industrial offices, hospitals, universities and laboratories as ceiling high or cornice high partition units, wall linings and railings. Excellent sound retardant qualities (See Page 4). Panels, 3″ thick, comprised of two sheets of steel welded to a steel frame. Panels packed with fiberglas. Post caps flush with panels. Continuous base without plinth blocks. Universal post. Built-in utility spaces.





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PAGES 12-14

SINGLINE PARTITIONS

A new development of partition research offering great value and economy for any partition use. Combination leveling device and double-cam interlock assures tight, straight joints. Versatile spline assures sturdy installation, ease of erection, simplicity in relocation. Flush panels 3″ thick of two steel sheets packed with Fiberglas. Post for glazed units $2\frac{1}{2}''$ wide. Built-in utility areas. All parts reusable.

Copyright 1960

the mills company

TO FLEXIBLE SPACE CONTROL

EXECUTIVE PARTITIONS

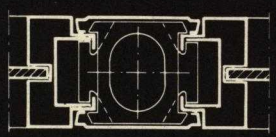
Used in general office and public buildings, schools, laboratories and factories. They adequately retard sound transmission. Furnished as cornice high with or without top filler to ceiling. Panels $2\frac{3}{4}''$ thick comprised of two sheets of steel with insulating honeycomb core, whole incased in a steel frame. Universal posts 3″ thick. Continuous base without plinth blocks. Built-in utility spaces. Panels may be cut in field.

PAGES 15-17

e

UNIVERSAL PARTITIONS

An economical partition for general and private offices, interviewing and examining rooms, industrial offices and work areas. Incorporates many details found only in top-line partitions. Panels $\frac{3}{8}''$ thick comprised of two steel sheets, insulated with inorganic filler, mounted in steel frame. Universal posts 3″ thick. Continuous base without obstruction of plinths. Built-in utility spaces. Field cut down possible.



PAGES 18, 19

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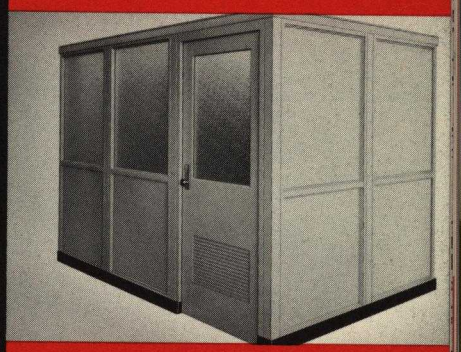
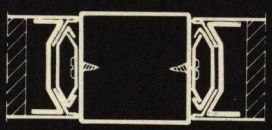


MAINLINER PARTITIONS

New free-standing partitions for economical space division. Easy to install and move. Made in four heights and ten panel widths. Metal bottom panels at 42″ height with 6″ open space at floor; glass or glass and steel above to nominal height. Panels are $1\frac{1}{2}''$ thick comprised of two steel sheets with insulating honeycomb core. Universal posts, $1\frac{3}{4}''$ square, have buttons which engage spring locking device. Micro-adjustable floor leveler.



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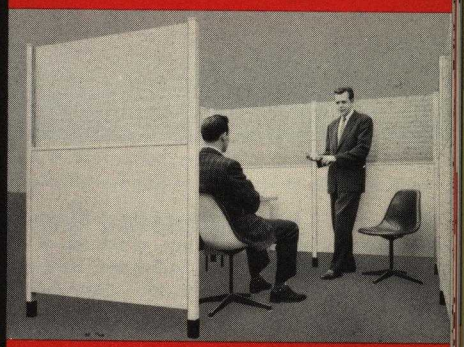
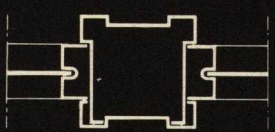


COMMERCIAL PARTITIONS

Used to define departments, for offices for production personnel, to create stock rooms and tool cribs. Glass lites approximately 20″ wide, 3″ square universal posts. Single steel and steel and glass panels. Cornice optional where partitions extend to ceiling. Combinations of steel, glass and wire mesh panels can be made to produce walls 30 feet or more in height. Built-in utility spaces.



PAGES 22, 23

h

ACCESSORIES

(See Accessories list, page 4)

PAGES 24-31

j

SEE BACK COVER FOR COMPLETE LIST OF NATIONAL REPRESENTATIVES

965 WAYSIDE ROAD
CLEVELAND 10, OHIO

a RESEARCH & DEVELOPMENT PERFORMANCE SPECIFICATIONS

research and development

Within the past year Mills Research has completed development of four new partition systems to keep pace with advancement in architectural design requirements. Mills Research has developed, during the past 37 years, complete prefabricated building interiors, which eliminate the need for time-consuming plaster or other interior finishes. Complementing Mills partitions, Mills wall linings, window embrasures and convector enclosures provide space for ducts, pipes, heating units, conduits, etc., affording quick access to all utilities. Mills experience covers every phase of space control in all types of buildings, including special partitions and cubicles for schools, laboratories and hospitals, also fire resistant partitions which exceed 60 minutes under A.S.T.M. conditions. All Mills partitions provide adequate wiring facilities, and proper fittings are supplied as specified. Mills partitions have four times the thermal insulating qualities of a clay tile wall, plastered both sides.

accessories and special products

A partial list of accessories and products to meet special conditions encountered in completion of many building interiors:

Access Doors....25, 30
Acoustic Partitions....4
Base, Dummy and Wiring....31
Base, Open
Bookcases....24, 30
Ceiling Systems....31
Chalkboards—Tackboards....25, 31
Channel Reinforcement
Clocks In Panels
Closets....25, 30
Coat Rods....25, 30
Column By-Pass
Cornice, Dummy
Counters and Shelves....24, 30
Cupboards....24, 30
Door Bucks in Masonry and Wainscot
Drinking Fountain Alcoves....25
Dustproofing
Electrical Fittings
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Flush Pilaster Railings
Flush Pilaster Wall Lining
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Hardware....27, 28
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Light Proofing
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Name Plates
Partition, Special Conditions....24, 25
Picture Hooks
Picture Molds
Shelving....30
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Stool Fronts and Tops....25
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Toilet Enclosure Partition
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Venetian Blind Pockets....25
Wainscot
Wickets, Hinged, Vertical and Horizontal Sash....29
Window Embrasures....25
Wire Mesh Panels and Top Filler

For complete construction details and specifications contact the local Mills sales and service representative listed on page 32 or write THE MILLS COMPANY 965 Wayside Road, Cleveland 10, Ohio

finish performance tests

To insure uniform high quality, Mills finishes are subjected to the following tests:

ADHESION—Shall adhere tightly to the substrate over which it is applied, whether bare steel, primer or when recoating. When applied to 20-gauge steel, it shall withstand 20-inch pounds impact and shall show no loss of adhesion bent over a ½" mandrel. When scratched with a knife, it shall show fine bevelled edges.

ACID TEST—Immersion in the following acids for the time stated, without etching, blistering, cracking or loss of color. (Slight loss of gloss permissible.) 50% sulphuric acid—4 hours, 2% oxalic acid—8 hours, 5% hydrochrolic acid—4 hours, 5% nitric acid—1 hour.

ALKALI TEST—Shall withstand immersion in the following alkalies: There shall be no loss of color, etching, cracking, blistering; (slight loss of gloss permissible). 50% sodium hydroxide—1 hour, 28% household ammonia—16 hours, 5% trisodium phosphate—16 hours.

NON-POLISHING—Shall withstand 250 cycles on a Gardiner Abrasion and Washability Machine, using abrasion boat and cheesecloth over a felt pad. There shall be no increase in gloss as measured with a Gardiner 60 Glossmeter.

HARDNESS—Shall withstand 500 gm. load of a Hoffman hardness tester.

HUMIDITY TEST—Shall withstand 500 hours exposure in atmosphere with 100% humidity and temperature of 100°F., with no breakdown in film.

WATER SOAK TEST—Shall withstand 500 hours immersion in distilled water at 95°F., with no breakdown in film.

DRY ABRASION—Shall withstand 600 cycles per mil of finish on a Gardiner Abrasion and Washability Machine using abrasion boat and No. 220 sandpaper over a felt pad.

sound control

SOUNDPROOFING—Standard Mills Flush Pilaster partitions are sound resistant to control ordinary noise problems. Where conditions require added sound control, areas are enclosed with specially soundproofed partitions. Mills Flush Pilaster Partitions have a sound reduction of 30 db to 36 db, which is more than a tile and plaster wall twice as thick. For best soundproofing results they should have a minimum number of doors and glazed units. Glazed units should have hermetically sealed double lites. Standard door frames are rubber lined and should have automatic felt drops or continuous wipers with thresholds. Follow specifications on Page 11 for maximum soundproofing.

SOUND TRANSMISSION LOSS— Below is shown sound transmission loss of Mills Flush Pilaster Partitions determined by Riverbank Acoustical Laboratory, Armour Research Foundation.

Type Partition	Transmission Loss
All steel to ceiling, no doors, completely packed	42db
All steel to ceiling, no doors, no packing	36db
All steel to ceiling, with doors and felt drops	32db
All steel to ceiling, with doors no felt drops	30db

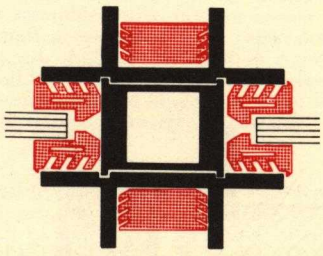
(Glazed partitions have slightly less transmission loss.)

The average of four actual tests for Mills Flush Pilaster all steel partitions to ceiling with fillers, posts, base and cornice packed with Fiberglas are:

Frequency Cycles	128	256	512	1024	2048	4096	Average Rating
Test Average	25	34	38	49	56	51	42.1db

SOUND ABSORPTION—Mills Acoustic Partitions are for sound control rooms where a high degree of sound absorption is necessary. These partitions are desirable only where the treated wall area is equal or more than the ceiling area. They are made of perforated panel units, whose interiors are packed with sound absorbing material. One or both sides of the panel units may be perforated.

SOUND TRAVEL—Normally, suspended ceilings are ineffective as a sound barrier. Consequently, when a series of soundproofed offices are planned under such a ceiling, the chances of sound travel over the partitions should be considered. Baffles should be installed tightly above each run of partition, from the suspended ceiling to the bottom of the slab to eliminate cracks through which sound can easily pass. Lighting fixtures, heating outlets, etc., should also be baffled. Louvers cannot be fully soundproofed.



the new shape of space

Working with leading architectural consultants and the Aluminum Company of America, The Mills Company has recently completed three years of design and research toward the development of a new idea in modern partition systems.

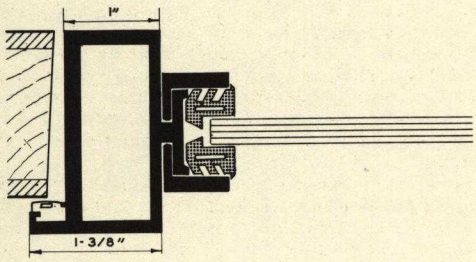
Designed by architects to meet the needs of architects these handsome Mills satin-finished aluminum partitions create an expression of delicate linear definition, classic simplicity, fine taste and a feeling of spaciousness, resulting from exclusive Mills design and construction features.

Unique universal aluminum posts (patents pending) are completely interchangeable to facilitate layout changes. Panels and framing members are available in modules up to six feet in width and in heights to a maximum of ten feet. Verticals and horizontals may be accented with colorful vinyl inserts. Horizontal members may be placed at any desired height and fit snugly into the universal posts. Panel-to-post tolerance problems are virtually eliminated by this exclusive, interlocking design. Posts are recessed to receive the tongued insert-panels.

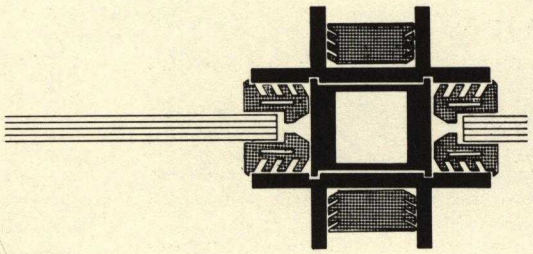
Within this thoroughly interchangeable system of partitions an unlimited selection of panels and panel finishes may be employed, offering the designer complete flexibility in the development of custom installations. For a detailed brochure explaining the full advantages of this new system, write The Mills Company, 965 Wayside Road, Cleveland 10, Ohio.

the mills company 5

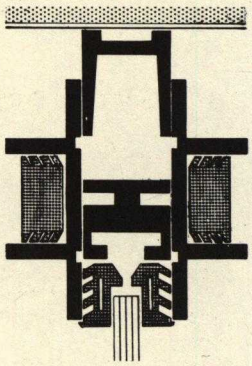
half-sized details



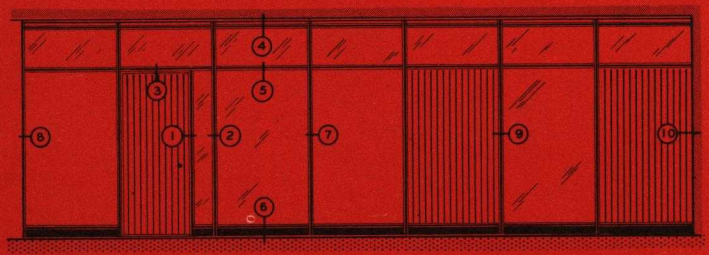
(1) DOOR JAMB



(2) DOOR SIDELIGHT PANEL



(4) CEILING

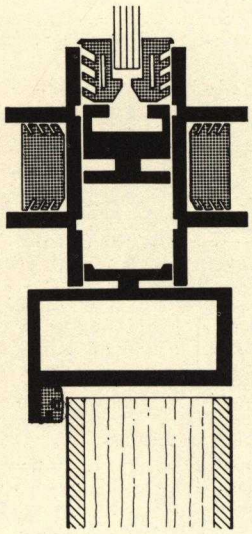


TYPICAL ELEVATION - ALUMINUM PARTITIONS

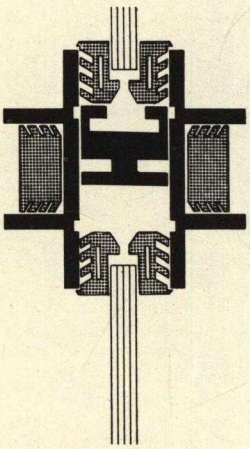
Recommended Partition Widths and Heights

Standard modular unit widths of partition are 48" center line to center line of posts, but partitions may be fabricated to fit any chosen building module. Post to post spans in excess of 72" and floor to ceiling spans in excess of 120" are not recommended.

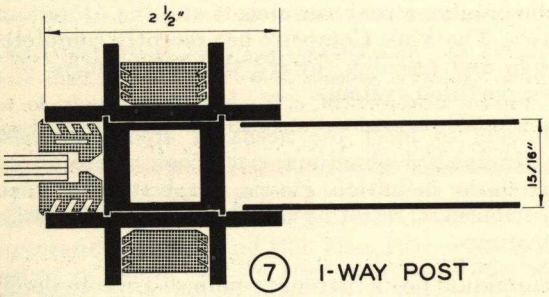
U.S. MECHANICAL & DESIGN PATENTS PENDING



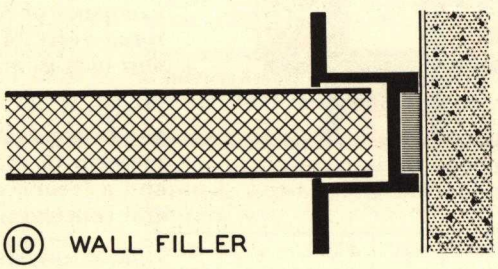
(3) DOOR HEAD



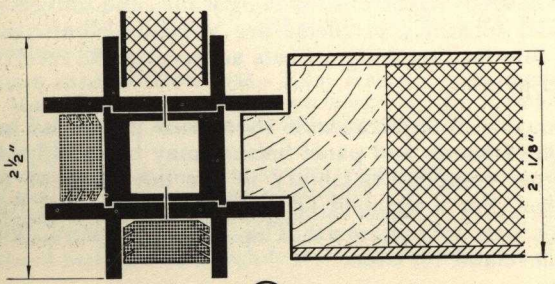
(5) INTERMEDIATE RAIL



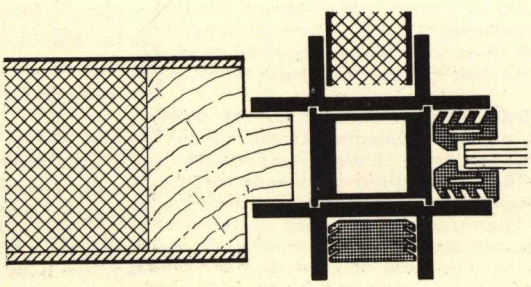
(7) 1-WAY POST



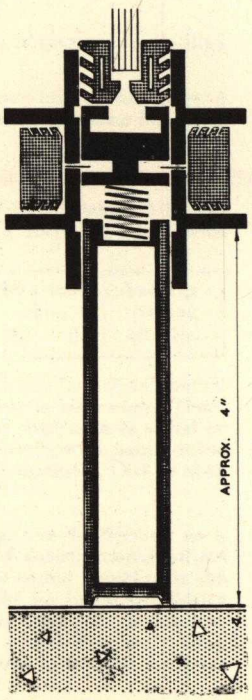
(10) WALL FILLER



(8) 2-WAY POST



(9) 3-WAY POST



(6) STANDARD BASE

specifications

TYPE—Furnish and erect complete The Mills Company Standard Aluminum Partitions.

SHOP DRAWINGS—Detailed shop drawings shall be submitted to the architect in triplicate. Fabrication shall begin after architect's final approval of shop drawings, which shall include: partition plans, typical elevations, door and hardware schedule, color and/or finish of panel inserts, aluminum extrusions and hardware; and details of special conditions not otherwise indicated in plans.

TYPE OF PARTITION—Shall be of skeletal type: aluminum structural frame with applied insert panels. All panels shall interchange with other panels or door units of similar size, design and construction without disturbing adjacent runs of partition.

PARTITION FRAME

Aluminum—All partition frame sections shall be No. 6063-T5 Aluminum alloy extruded sections. Aluminum extrusions shall have a caustic etch and 20-minute standard clear anodizing treatment. Colored anodizing available to architect's specifications, when desired, at additional cost. All aluminum shall be properly alloyed, tempered and free from harmful defects.

Module—Standard modular unit widths of partition shall be 48″ center line to center line of posts; but building module shall govern unit widths for each job. (Post-to-post spans in excess of 72″ not recommended). Heights of vertical panel subdivisions shall be at discretion of designer.

Posts—Shall be of three-piece construction (design and mechanical patents pending), consisting of hollow rectangular central post and two applied identical pi-shaped sections, assembled with countersunk self-tapping screws, screws to be concealed by inlaid vinyl trim. Outer post sections to be removable from either side for glazing and installing panels. Final post assembly shall be symmetrical, with recesses allowing for 2–, 3– or 4-way extension of panels or glazing units without disturbing adjacent panels or substituting, rearranging or disfiguring material in place.

Horizontal Rails—Shall be of same general design and assembly as vertical posts. Horizontal rails shall occur at base line, at top of door frame and at ceiling or at other points as selected.

Ceiling Channel—Shall be black anodized aluminum extrusion, allowing for adjustment to compensate for ceilings out of level. Ceiling channel shall be securely fastened to suspended ceiling.

Wall Channel—Shall be clear anodized hat-shaped aluminum extrusion, allowing for adjustment to compensate for fixed walls out of plumb. Wall channel shall fit tightly against fixed wall or column with inorganic seal.

Door Frame—Shall be hollow aluminum extrusion, mitered at top corners of door and securely assembled with interior corner brace at top corners. Frame recess shall accomodate 1¾″ thick door. Continuous strike at head and jamb shall be rabbeted to receive black vinyl gasket. Door jambs shall have hinge mortise and strike mortise milled out at factory, and factory installed hinge and strike reinforcements, all properly drilled and tapped to receive hardware.

PANELS

Steel Panels—Steel panels shall be 15/16″ or 2⅛″ thick (specify which). 15/16″ panels shall be flush with interior faces of post recess. 2⅛″ panels shall have 15/16″ tongues at all panel ends to fit into post recess. All panels of like unit widths and heights shall be interchangeable.
Steel panels shall be constructed of two 20 gauge steel sheets secured on perimeter to steel interlocking channel member by means of toggles to make rigid fastening. Sheets to be reinforced with 20 gauge horizontal "hat-shaped" stiffeners spot welded on 3″ centers. Stiffeners shall be mounted on 12″ centers in the vertical height of the sheet. Spaces between sheets shall be packed solid with inorganic filler for sound attenuation and to give backing to sheets.
When specified, steel panel sheets shall be perforated on one or both sides for added sound absorption.

Steel Finish—Steel panels shall be thoroughly cleaned in a phosphate solution, rinsed with a rust inhibitor and properly dried before paint is applied. Panels shall be permanently finished with an enamel prime and finish coat of alkyd-melamine base, properly baked to ensure durable quality, meeting finish performance specifications on page four. The finish coat shall be of a uniform "eggshell" texture; color shall be Mills' Color No. . . . or color to be as selected. Grained finishes for steel panels shall match approved samples. Finish shall consist of a prime coat and a finish coat of alkyd-melamine base, baked on and sanded smooth, after which graining ink shall be applied and baked. A baked-on varnish coat of "eggshell" gloss shall then be applied to preserve grained finish.

Wood Panels—Wood veneer panels are to be 15/16″ or 2⅛″ thick, as specified. 15/16″ panels shall have solid core of pressed, glued wood chip construction, with exposed face of veneer as selected. 2⅛″ thick panels shall have cellular hollow core faced on both sides with 7/16″ 3-ply panels. Face panels shall have ⅜″ pressed wood core with veneer of wood selected. 2⅛″ thick panels shall have solid lumber frame, and all panel ends shall be constructed with a 15/16″ thick tongue to be received into vertical and horizontal aluminum members. Samples of panel wood veneers shall be submitted for approval. Architect or designer to designate if veneer is to be book matched, slip matched or random selected.

Wood Panel Finish—Wood veneer panels shall be clean, dry and sanded to smoothness when finish is applied. They shall be prefinished before shipment with sealer coat and one sprayed coat of clear, hot lacquer, all sanded to satin smoothness. Paint manufacturer's specifications shall govern time allowed between coats.

Glazed Panels & Glazing—Glass and plastic panels shall be furnished by partition contractor of design and quality as specified or called for on drawings. Standard glazing mold shall be black vinyl to accomodate any 7/32″ or ¼″ glass panel, or other panel material of similar thickness. Black vinyl mold shall be of width and thickness to fit universally into recesses on all sides of posts or horizontal rails.

End Filler Panels—End fillers shall be used at the termination of partition runs at fixed walls or columns. Steel end fillers shall be similar in design and construction to 15/16″ steel partition panels and shall be finished in a similar manner. Wood end fillers shall be similar to 15/16″wood partition panels. End fillers shall fit neatly and snugly into extruded clear anodized wall channel.

Door Sidelight Panels—In instances where the established panel module from center to center of post is 48″ or wider, a door sidelight panel may be used. This panel may be of any type as hereinbefore specified.

DOORS

Steel Doors—Shall be 1¾″ thick with 3/32″ clearance at jambs and heads. They shall be of flush steel design or with glass lights as specified. Stiles shall be flush, 5″ wide, fabricated of 18 gauge steel, with No. 20 gauge panels, which shall be sound-deadened. All doors shall be properly mortised and reinforced for hinges, locks and Mills 904 concealed door check. (Hinge reinforcement: 14 gauge pressed steel channel; lock reinforcement: 16 gauge; check reinforcement: 14 gauge). Door shall be approximately 2′-10″ x 6′-10″. Glass shall be secured without the use of screws.

Wood Doors—Shall be flush, 1¾″ thick with solid lumber core, finished in veneer of type selected. Standard wood door shall be aproximately 2′-10″ x 6′-10″. Edges shall be beveled and all mortises cut at factory for hardware. Finish specifications for wood doors shall be same as that for wood panels.

HARDWARE—Doors shall be provided with Mills' standard LW 5400 series tubular latch and locksets in Alumilite finish with black anodized knobs. Doors shall be hung with one pair of Mills standard BB179 ballbearing butt hinges in U.S. 26D finish. Other hardware shall be Mills standard.

ELECTRICAL PROVISIONS—Switches, where required, shall be mounted on posts. Duplex outlets, when specified, will be mounted in factory-punched cutouts in the electrical base. Hollow central post extrusion shall have provisions for vertical fish wiring.
All switches, switch plates, duplex convenience outlets and flush plates shall be provided for by partition contractor at locations indicated on plans. All wiring, conduit and connections shall be by others.

FLOOR AND CEILING CONNECTIONS—The post shall be anchored to the floor with telescopic anodized aluminum fitting, mounted with non-corrosive inserts and screws, permitting positive adjustment by means of "post contoured" floor shims. Inner post section shall interlock with continuous aluminum channel at ceiling by means of post extension.

BASE

Standard—Shall be removable, approximately 3¼″ high, formed of black rubber, reinforced with concealed steel channel. It shall fill space between bottom rail and floor, held in contact with floor by concealed springs. Base shall provide adjustment for variations in floor level. **Electrical**—(Optional at extra cost). Shall be approximately 3⅞″ high, formed of 18 gauge steel held in alignment by inner floor channel. Finished base section shall be 1¾″ thick. It shall fit below bottom rail and run continuous between door frames, or sectionally between posts. Base shall be adjustable for floor height variations and shall be removable from both sides for ready access to utility space.

ERECTION—Partitions shall be assembled and erected in a workmanlike manner, mounted over finished flooring. Joints between framing units shall be perfectly membered and close fitting, with vertical lines plumb and horizontal lines level. Hardware shall be thoroughly adjusted and in proper working condition.

CLEANING—All rubbish and cartons shall be removed and the job left broom clean. All minor defects and blemishes in panel finish shall be touched up neatly and fingermarks removed. Cleaning of glass, erection dust and washing are considered maintenance work to be done by others.

State Mutual Life Assurance Company of America, Worcester, Mass. Hoyle, Doran & Berry, Architects.

MILLS *Flush Pilaster* PARTITIONS

Widely chosen for use in complete building interiors, including partitions, railings and wainscot. Furnished either in all steel or steel and glass panels, three inches thick.

Numbers indicated below refer to corresponding details on facing page.

ALL WELDED FLUSH PANELS

All units fabricated in widths of six inch increments, not exceeding 48″ in all steel panels and 60″ in steel and glass panels.

1. Panel units are all welded, the sturdiest construction possible for a movable wall.
2. 3″ thick batts of fiberglass will not settle.
3. Stiffeners, located 12″ on center, spot-welded 3″ on center.
4. Vertical channel, spot-welded 8″ on center.
5. Formed channel shoe.
6. Furniture stock panel sheet, thoroughly cleaned, filled and sanded.

PATENTED FLOOR LEVELING DEVICE

7. Plated micro-adjustable floor levelaer securely attached to floor under each post; makes adjustments to compensate for floor irregularities easy.

BOX GIRDER POST CLIPS

8. Plated tension and compression clips assure solid, strong connections and accurate spacing of panels. May be placed at any convenient height.

STURDY CEILING CONNECTIONS

9. Ceiling high partitions telescope into one-piece ceiling channel. (Cornice-high partitions are also available.)

SELF-SEATING GLASS MOULD

10. Intergral, self-seating glass mold ensures positive stop on glass at all times. Glass panels have mortise and tenon joints at transom rails and top rails.

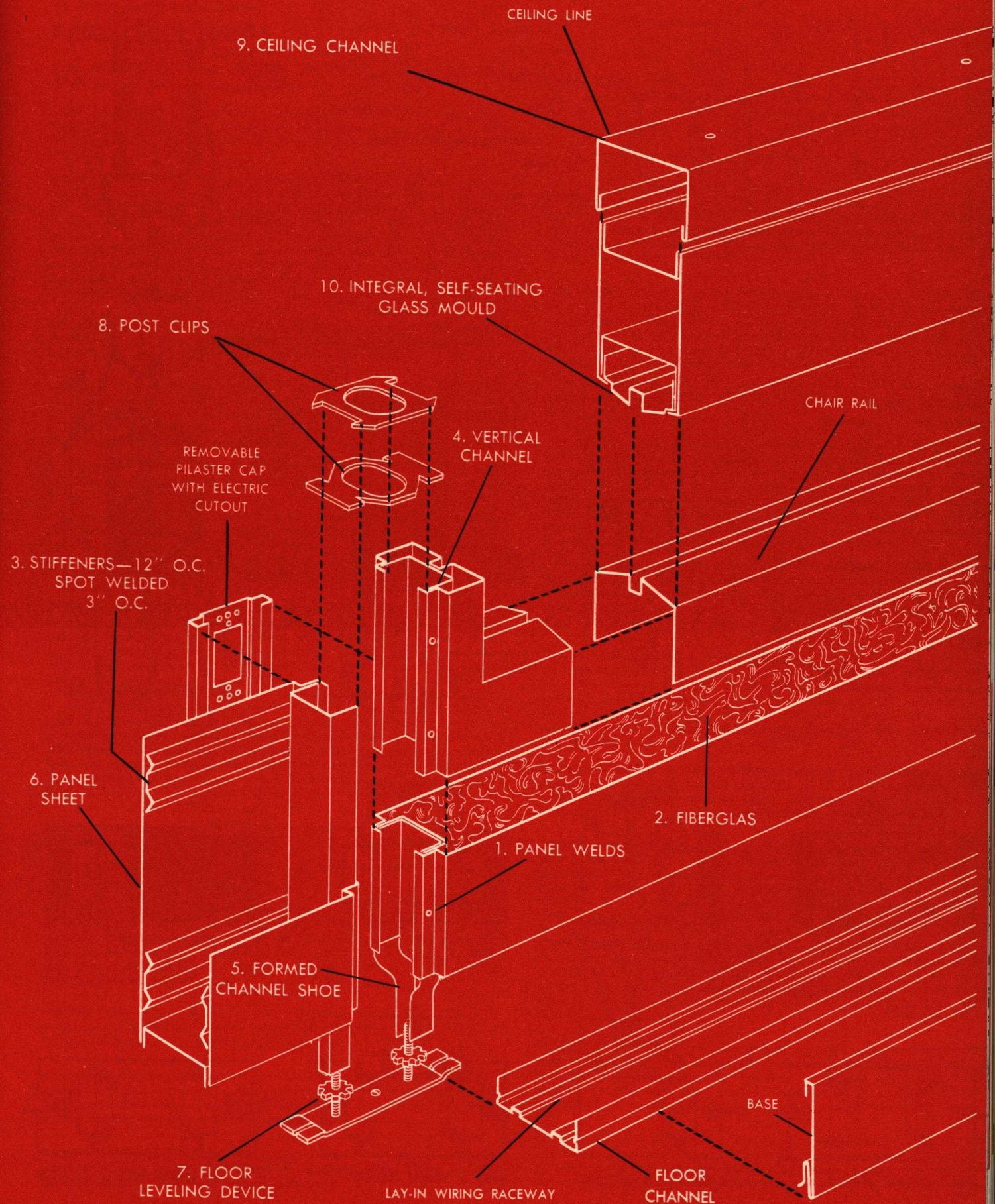
UNIVERSAL POST

2⅜″ space between panels, covered by post cap removable from either side. Designed to make possible future extensions of either two, three or four-way intersections without removing adjoining units.

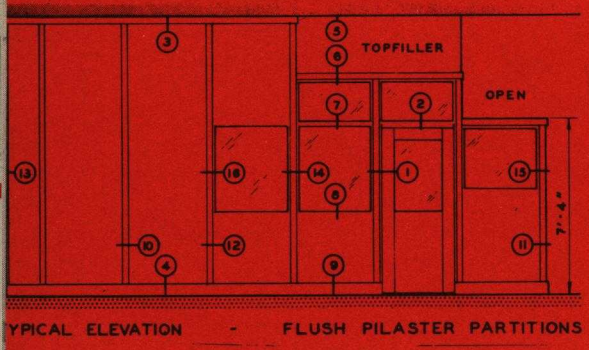
ADJUSTABLE DOOR FRAMES

Made as a complete unit, factory welded and finished. Frames are adjustable at each jamb to compensate for normal floor irregularities and still provide architectural lines that are truly horizontal and vertical. Since there is no cutting in the field, frames may be taken down and moved to a new location with all parts reusable. Frames have a continuous rubber lining at jambs and head.

FLUSH PILASTER PARTITIONS C



quarter-sized details



YPICAL ELEVATION - FLUSH PILASTER PARTITIONS

STANDARD PARTITION HEIGHTS

Ceiling High:	7'4", 8'4" 9'2", 10'0½"
Cornice High:	7'4", 8'4" 9'2", 10'0½"
Top Filler:	Varies, Min. 6"

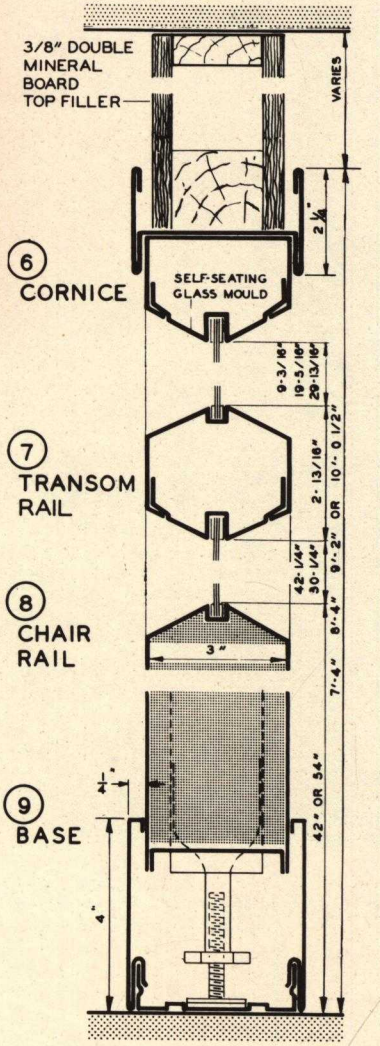
STANDARD PANEL WIDTHS

All Steel:	6" to 48" in 6" increments
Steel & Glass:	18" to 60" in 6" increments

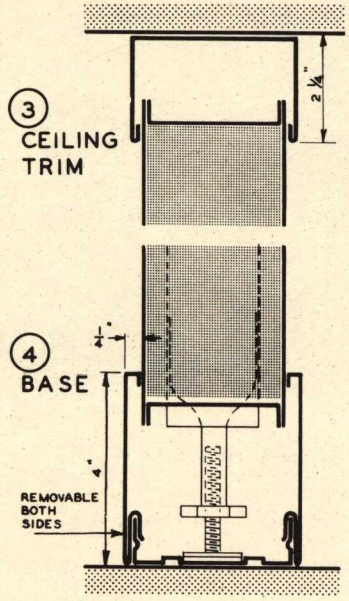
DOOR SECTION WIDTHS

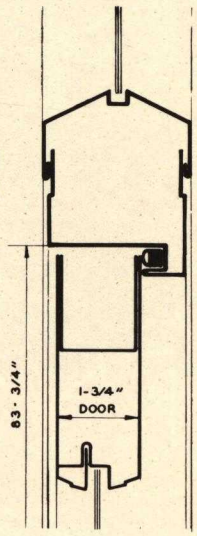
oor Section:	Single: 42" Pair: 78"
oors:	Single: 36" Pair: 2-36"

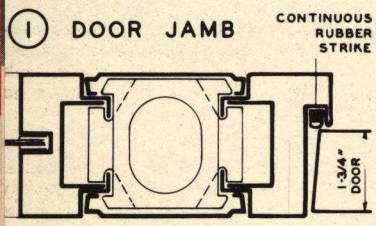
STEEL & GLASS
CORNICE-HIGH WITH DMB TOPFILLER



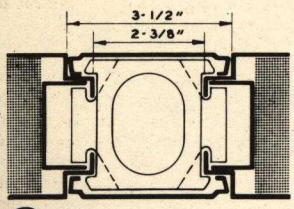
ALL STEEL
CEILING HIGH

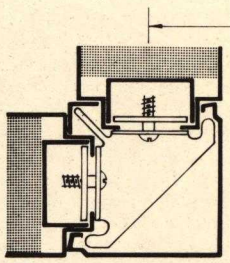


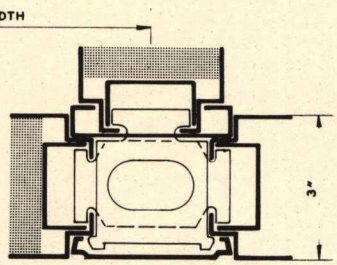


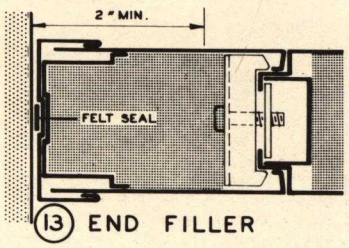


STEEL

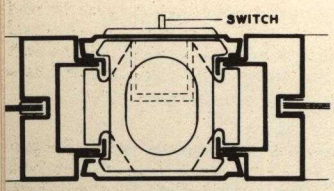


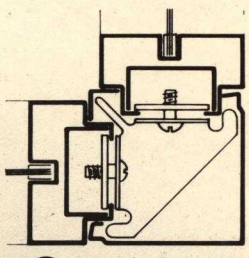


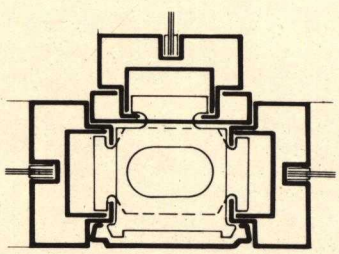


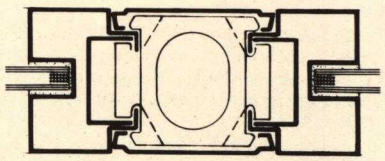


GLASS









FLUSH PILASTER PARTITIONS C

specifications

TYPE—Furnish and erect complete The Mills Company Standard Flush Pilaster Movable Steel Partition.

SHOP DRAWINGS—Detail shop drawings indicating plan, elevation, hardware, finish, special conditions and construction shall be submitted to the architect for approval before actual fabrication is started.

UNITS—The partitions are to be 3″ thick, built in a standard cornice height of either 7′4″, 8′4″, 9′2″ or 10′0½″ to the top of the cornice trim as indicated. All units are to be shipped from the factory in one assembly from floor to cornice in widths of 6″ increments not to exceed 48″ in all steel and 60″ in steel and glass. All are to be interchangeable. All 42″ wide panels will interchange with 42″ door sections. Units shall be so assembled that future extensions of either 2–, 3–, or 4-way may be joined together without removing the adjacent units or material above the cornice line.

STEEL—All exposed steel shall be cold rolled, commercial quality furniture stock, properly annealed, process-leveled for smooth, clean surfaces. Gauges specified are United States Standard.

PANELS—Shall be flush with the face of post caps and shall be made of two sheets of No. 20 gauge furniture stock, spot-welded around entire perimeter to a steel frame. The sheets proper shall be reinforced with horizontal stiffeners spot-welded on 3″ centers and these stiffeners shall appear approximately every 12″ in the height of a sheet.

The space between the panel sheets shall be packed solid with an inorganic filler for further sound attenuation and backing to the sheets.

Glass openings to be provided in the upper portions of panels for either single glass or hermetically sealed double glass units as indicated in elevation. Top rails and transom rails of steel and glass panels shall be tenoned into mortises in side molds and spot-welded in place, forming a direct interlocking rigid joint.

DOORS AND FRAMES—Doors shall be 1¾″ thick with 3/32″ clearance at jambs and heads. They shall be made of flush design with 5″ wide stiles flush with door panels, which shall be sound deadened. All doors to be reinforced for hinges, locks and door checks. (Hinge reinforcement 14 gauge pressed steel channel, lock reinforcement 16 gauge, check reinforcement 14 gauge.) The standard swing door with frame shall fit a 42″ wide section and the door shall be approximately 3′ by 7′. Glass mouldings to be secured without the use of screws. Frames shall be full adjustable type to compensate for varying floor levels and different floor coverings. Proper frame height shall be attained by telescoping head, with jambs being leveled independently for uneven floors by means of internal channels anchored securely to floor maintaining horizontal top lines and glass lines throughout the installation. Frames shall have continuous rubber gasket at head and jambs.

HARDWARE—Shall be interchangeable as to operation so called for in hardware schedule.

Doors shall be provided with two 5″ x 4″ loose pin ball bearing butt hinges.

BASE—Shall be No. 20 gauge, 4″ high with ¼″ projection. Shall be flat, sanitary design and run continuous along both sides of the partition without the obstruction of plinth blocks at the pilasters. Base to be vertically adjustable for normal irregularities in floor elevations. Base shall be removable from either side to provide ready access to utility spaces.

CEILING TRIM—(For partitions that extend to the ceiling.) Shall be made to run continuous over the top of all units to provide rigidity for horizontal bracing and provide a utility space.

CORNICE—(For partitions that do not extend to the ceiling.) Shall be made to run continuous over top of all units. Cornice to be No. 18 gauge rolled steel section providing maximum rigidity for horizontal bracing and also providing ample utility space.

WALL FILLERS—Shall be No. 18 gauge and telescopically adjustable. They shall have packed insulation of inorganic filler. There shall be no exposed raw steel edges or wall fastenings.

FLUSH PILASTER CAPS—Shall be No. 18 gauge rolled shape of flat ornamental inlay design. The surface of same to be flush with face of panels. Caps shall be removable for disassembly and wiring.

FLOOR CONNECTIONS—Shall be concealed by the base and fit below each post. They shall be securely fastened to the floor. They shall also be provided with plated vertical threaded studs and leveling wheels to permit fine adjustment to normal floor irregularities.

PANEL CONNECTIONS—The panels and door units proper are to be connected by means of plated No. 11 gauge compression and tension clips that properly align and hold units rigid. The clips are to be provided with a wiring hole to permit vertical wiring and shall also be provided with projections for "snapping on" flush pilaster post cap that is held in place without the use of screws, bolts, nuts, etc. These clips are to be designed to permit their application at any point in the height of the unit.

TOP FILLER—(Omit if no top filler required). Mineral board top fillers for partitions that extend to ceiling shall be applied over studs set 24″ on center. Top filler shall be double sheet mineral board 3/8″ thick. Joints to be buttered, finished smooth and covered with perforated tape to make joints invisible and prevent cracking. It shall be painted to match ceiling by partition contractor.

Steel top filler of No. 20 gauge for partitions that extend to the ceiling shall be double steel with single flush line joints. Top filler shall be removable.

FINISH—All partitions shall be thoroughly cleaned in a phosphate solution, rinsed with a rust-inhibitor and properly dried before paint is applied. Partitions are to be permanently finished with an enamel prime and finish coat of alkyd-melamine base and properly baked to ensure durable quality, meeting performance specifications as published on page 4. The finish coat shall be of a uniform "eggshell" texture; color shall be Mills Color No . . . . . or color to be as selected. *Specify color of base or doors if different from partition color.*

Grained finishes are to match approved samples. Finish shall consist of a prime coat and one finish coat of alkyd-melamine base, baked on and sanded smooth, after which a coat of graining ink shall be applied and baked. This shall be followed by a baked on clear varnish top coat of "eggshell" gloss.

GLASS AND GLAZING—(Omit if no glass required). Glass for metal partitions shall be furnished by partition contractor of design, quality and thickness as specified or called for on drawings. Glass shall be set with aluminum glazing strips. Glazing molds shall be an integral part of glass frame. They shall be self-seating and insure a positive stop on glass at all times. Loose glazing stops and exposed screws shall not be used.

SOUNDPROOFING SPECIFICATIONS—*Standard Flush Pilaster Partition has an average sound transmission loss of 36 db. If maximum soundproofing is required, partition runs should be indicated on plans as "soundproof" (See page 4) and the following specifications added:*

SOUNDPROOFING—Partition post connections, base and cornice and wall fillers shall be solidly packed with glass wool during erection of partitions. Point of contact of partition base with floor shall be sealed with felt which shall make continuous contact with the floor and with the base. Top filler (if any) shall be solidly packed with glass wool for its full height. Glazed partition runs shall be glazed with hermetically sealed double glass panels or separate lite of glass set approximately 2″ apart in felt with removable frame to permit easy cleaning of glass at any time. Hermetically sealed double glass panels shall have all four edges of the double glass lites well sealed with putty to prevent sound leakage around glass. Automatic felt drops shall be furnished at each door and door frames shall be lined with rubber.

ERECTION—Partitions shall be erected in a rigid manner, straight and plumb, with horizontal lines level. Units shall be aligned at all panel and door unit joints. Hardware shall be thoroughly adjusted and left in good working condition. Provide reinforcements to ceiling or bracing on runs exceeding 20′ in length unsupported by cross runs.

CLEANING—All rubbish and cartons shall be removed and the job left broom clean. All minor defects and blemishes shall be touched up neatly and finger marks removed. Cleaning of glass, erection dust and washing are considered maintenance work to be done by others.

MILLS *Singline* PARTITIONS

. . . A NEW DEVELOPMENT OF PARTITION RESEARCH

POINTS FOR COMPARISON

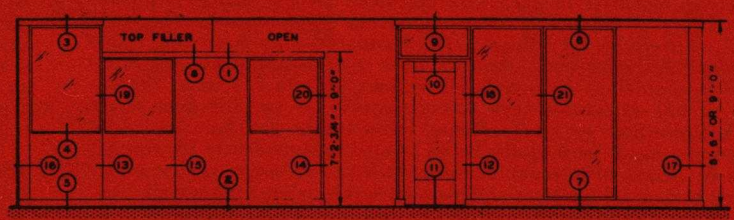
- Low initial cost—multiple savings in use.
- Full three inch thick partitions, flush aligned.
- Fiberglass—packed panels.
- For steel and glass panels—slender 2½″ posts, crisply profiled.
- Rugged panel interlock — assuring sturdy installation and allowing jacknife panel interchange without disturbing whole runs of partition.
- Ease of erection—simplicity in relocation—complete salvageability.
- Built-in wiring facilities and provisions for standard-sized electrical components.
- Double-cam interlocking floor shoe, assuring panel alignment and tight joints.
- Permanent, baked enamel finish.

STANDARD HEIGHTS

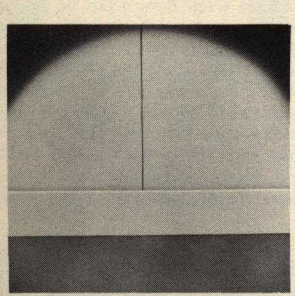
Ceiling High Partitions:	8′6″ & 9′0″
Cornice High Partitions:	7′2¾″ & 9′0″
Top Filler Over Cornice: (If Required) Varies, Min. 6″	

STANDARD WIDTHS

All Steel Panels:	6″ to 48″ on 6″ multiples
Steel & Glass Panels:	12″ to 60″ on 6″ multiples
Door Sections:	42″
Doors:	36″

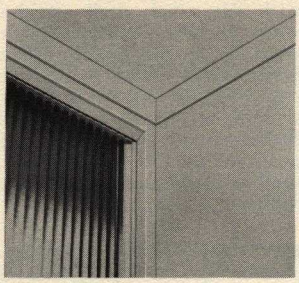


TYPICAL ELEVATIONS – SINGLINE PARTITIONS



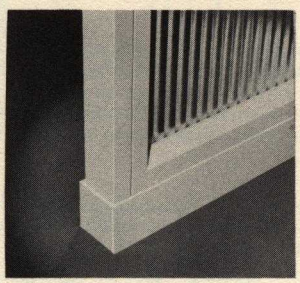
SINGLINE PANEL JOINTS

All panels abut with a single tight joint, from base to cornice, whether panels are all steel, steel-and-glass or full-height glass.



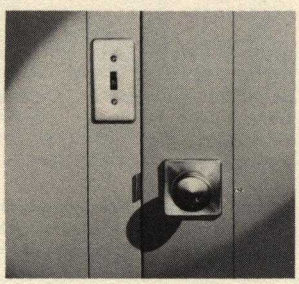
SIMPLE CEILING TRIM

2¼″ ceiling trim on floor-to-ceiling partitions allows for tight fit to ceiling. Panel-to-ceiling interlock assures straight partition runs.



STRAIGHT-LINE BASE

Adjustable for uneven floors, base is 4″ high, continuous, and wraps around finished ends. Utility space inside base allows for quick installation of wiring.

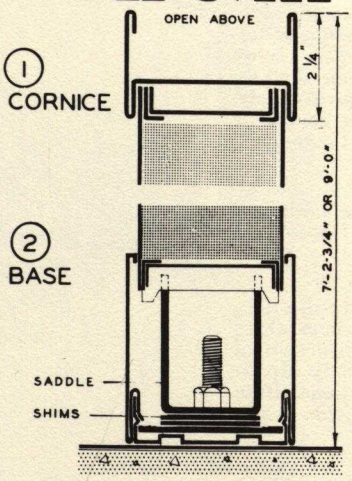


ADJUSTABLE DOOR FRAME

Variations in floor or floor covering heights are easily compensated for with adjustable door frame. Frame permits through floor-to-ceiling wiring.

SINGLINE PARTITIONS

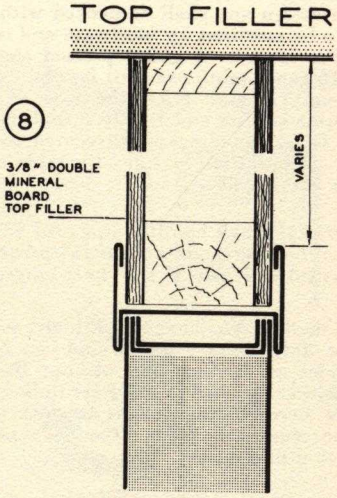
ALL STEEL



(1) CORNICE

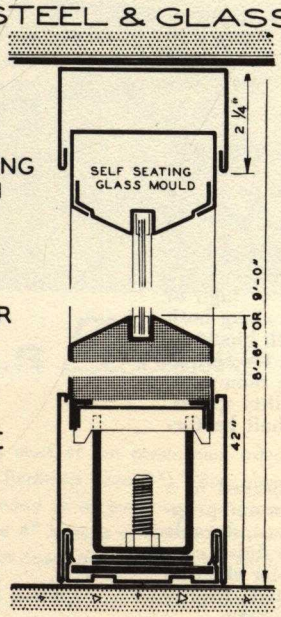
(2) BASE

TOP FILLER



(8)

STEEL & GLASS

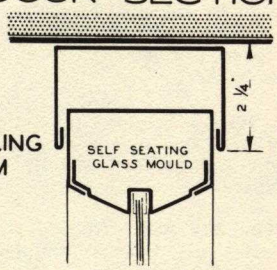


(3) CEILING TRIM

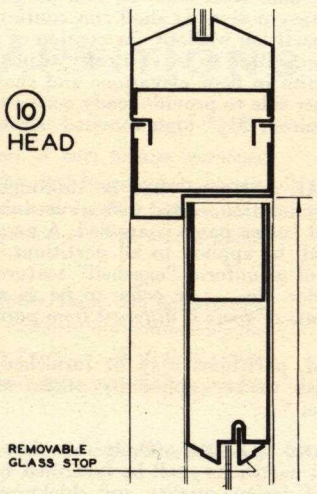
(4) CHAIR RAIL

(5) BASE

DOOR SECTION

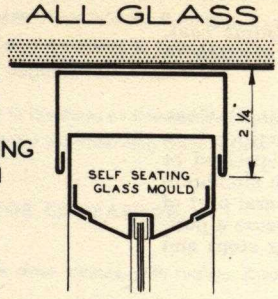


(9) CEILING TRIM

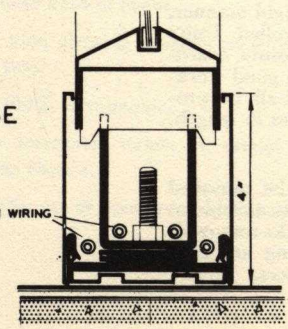


(10) HEAD

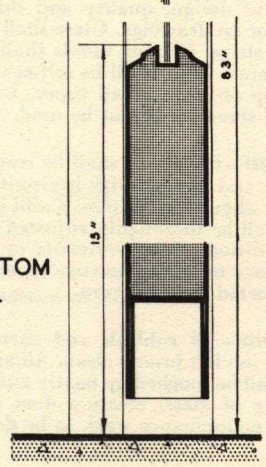
ALL GLASS



(6) CEILING TRIM

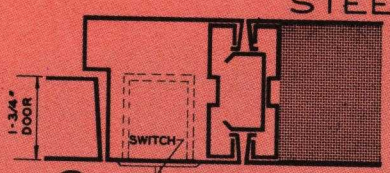


(7) BASE

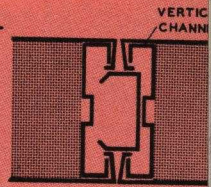


(11) BOTTOM RAIL

STEEL



(12) DOOR JAMB



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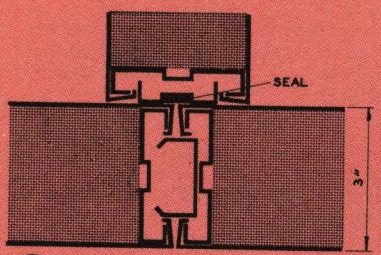

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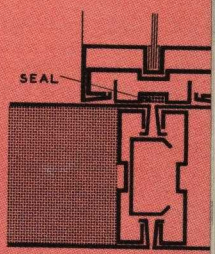
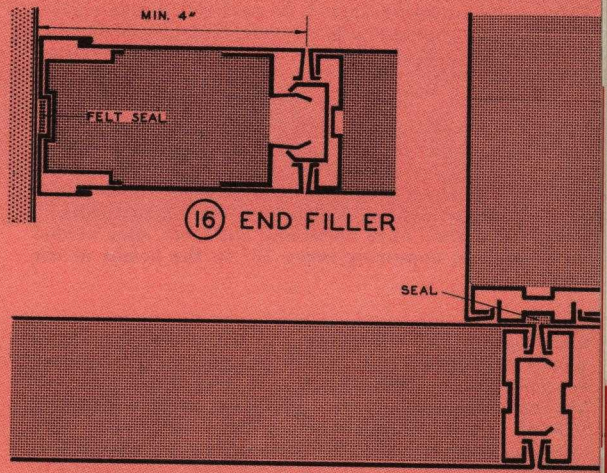


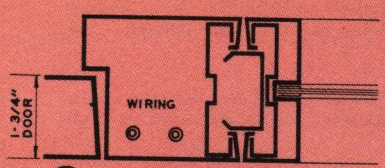
(14) SPL. 2-WAY POST

(16) END FILLER

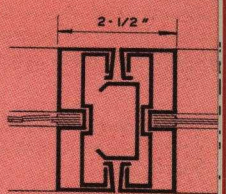


(17) ALL-STEEL CORNER

GLASS



(18) DOOR JAMB



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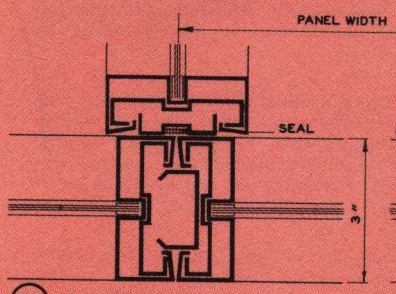

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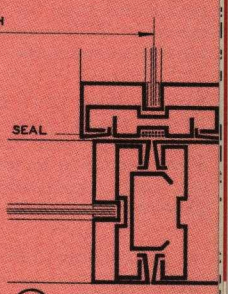


(20) 2-WAY POST

d SINGLINE PARTITIONS

specifications

TYPE—Furnish and erect complete The Mills Company standard Singline Movable Steel Partition.

SHOP DRAWINGS—Detailed shop drawings, indicating plans, elevations, hardware finish, special conditions and construction shall be submitted to the architect; fabrication shall begin after approval by the architect.

MOVABILITY—Partitions shall be designed to quickly accomodate any change in layout after original installation with economy and ease and without debris. All partitions and parts shall be 100% reusable.

UNITS—The partitions are to be 3″ thick, built in standard cornice heights of 7′ 2¾″ or 9′ 0″ or ceiling heights of 8′ 6″ or 9′ 0″. All units are to be shipped from the factory in one assembly from floor to cornice in widths of 6″ increments, not to exceed 48″ in all steel and 60″ in steel and glass. All 42″ wide panels will interchange with 42″ door sections and all panels shall interchange with other panels of like size.

STEEL—All exposed steel shall be cold rolled, commercial quality furniture stock, properly annealed, process-leveled for smooth, clean surfaces. Gauges specified are United States Standard.

PANELS—All-steel panels shall be flush, 3″ thick, factory assembled. Space between panel sheets shall be packed with glass wool for sound control and backing to the sheets. Panel sheet vertical ends shall be formed to butt adjacent panels with a single line joint. Inner faces of panel sheets shall have horizontal stiffeners, spot welded on 3″ centers, appearing every 12″ in the height of the sheet.

Glass openings to be provided in the upper portions of panels as indicated in elevation. All-glass partitions shall be glazed full height within a steel panel frame. Vertical glazing posts shall be No. 20 gauge steel with edges formed to butt adjacent panels same as all-steel. Top rails and transom rails of steel-and-glass panels shall be tenoned into mortises in side molds and spot-welded in place, forming a direct interlocking joint.

WALL FILLERS—Wall fillers shall be used for termination of partition runs at a fixed wall or column. They shall be double steel sheets fabricated to give a finished appearance similar to partition panels and shall be telescopically adjustable into sealed wall channel and packed with glass wool.

TOP FILLERS—Top fillers shall be used to close the space between the cornice and the ceiling for cornice high partitions.

Mineral board top filler, when specified, shall be double sheets, ⅜″ thick applied over studs set 24″ on center. Joints to be buttered, finished smooth and covered with perforated tape to make joints invisible and prevent cracking. Fillers shall be painted to match ceiling by partition contractor.

POSTS—Each panel inner vertical channel shall run continuous the full height of the panel and shall wedge tightly with double cam interlock into 11 gauge floor saddle. Floor saddle to be levelled with shims to adjust for normal floor irregularities. Fastenings at top and bottom of panel connections shall assure a tight joint.

An inner spline of 18-gauge steel shall run the full height of the partition at each panel intersection. For ceiling high partitions, an extension of the inner post alignment shall be adjustable to ceiling variances.

DOORS AND FRAMES—Doors shall be 1¾″ thick with 3/32″ clearance at jambs and heads. They shall be made of flush design and shall be packed with glass wool. All doors to be mortised for hardware and reinforced as follows: For hinges: 14 gauge pressed steel channels; for locks: 16 gauge reinforcement; for checks: 14 gauge reinforcement. The standard swing door with frame shall fit a 42″ wide section and the door shall be approximately 3′ x 7′. Glass mouldings to be secured without the use of screws. Frames shall be full adjustable type to compensate for varying floor levels.

HARDWARE—Shall be Mills standard Singline hardware, and shall be interchangeable as to operation. Doors shall be provided with two 5″ x 4″ butt hinges.

BASE—Shall be No. 20 gauge, 4″ high with ¼″ projection, shall be flat, sanitary design and run continuous along both sides of the partition without the obstruction of plinth blocks at panel joints. Base to be vertically adjustable for normal irregularities in floor elevations. Base shall be removable from either side to provide ready access to utility spaces.

CORNICE—(For partitions that do not extend to ceiling). Shall be made to run continuous over top of all units. Cornice to be rolled steel section providing maximum rigidity for horizontal bracing and also providing ample utility space. Cornice shall be securely fastened at each panel vertical.

CEILING TRIM—(For partitions that extend to ceiling). Shall be made to run continuous over the top of all units to provide rigidity for horizontal bracing and provide a utility space.

RECESSED BASE AND CORNICE—(Available when specified at extra cost) Base and cornice shall be recessed ½″ on either side. Base shall be No. 20 gauge, 4″ high of flat, sanitary design. It shall run continuous along both sides of partition without obstruction of plinth blocks at panel joints. Base to be vertically adjustable for normal irregularities in floor elevations and shall be removable from either side to provide ready access to utility spaces. When desired, 2½″ high recessed cornice shall be furnished.

FINISH—All partitions shall be thoroughly cleaned in a phosphate solution, rinsed with a rust-inhibitor and properly dried before paint is applied. A permanent, durable finish shall be applied to all partitions. The finish coat shall be of a uniform "eggshell" texture; color shall be Mills Color No. . . . . or color to be as selected. *Specify color of base or doors if different from partition color.*

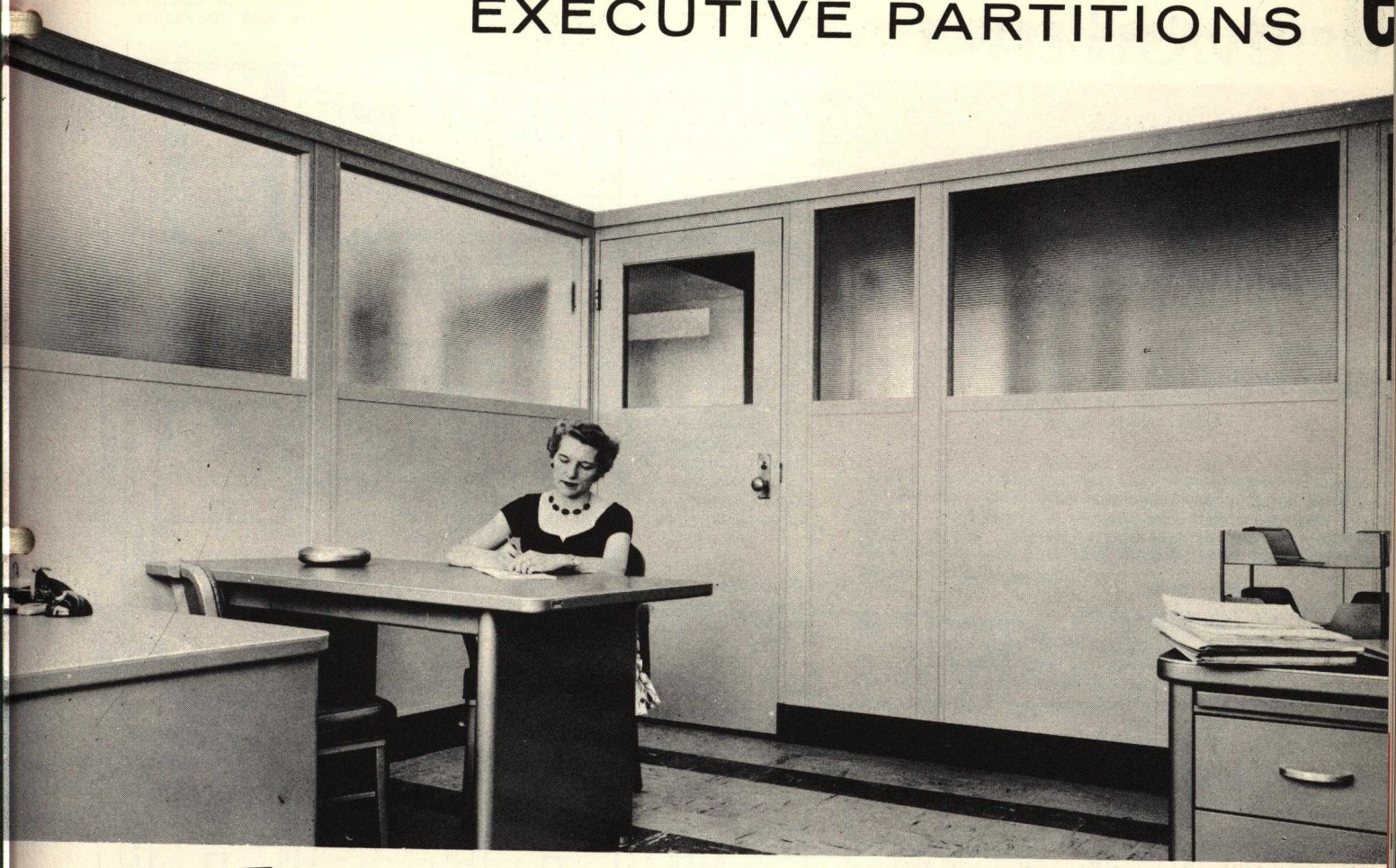
If desired, partitions may be furnished in prime coat, final finish to be applied by others after erection of partitions.

GLASS AND GLAZING—(Omit if no glass required). Glass for metal partitions shall be furnished by partition contractor of design, quality and thickness as specified or called for on drawings. Glass shall be set with aluminum glazing strips. Glazing molds shall be an integral part of glass frame. They shall be self-seating and insure a positive stop on glass at all times. Loose glazing stops and exposed screws shall not be used.

ERECTION—Partitions shall be erected in a rigid manner, straight and plumb, with horizontal lines levelled. Units shall be aligned at all panels and door unit joints. Hardware shall be thoroughly adjusted and left in good working condition. Reinforcements or bracing shall be provided floor to ceiling on runs exceeding 20 feet in length, unsupported by cross runs.

CLEANING—All rubbish and cartons shall be removed and the job left broom clean. All minor defects and blemishes shall be touched up neatly and fingermarks removed. Cleaning of glass, erection dust and washing are considered maintenance work to be done by others.

EXECUTIVE PARTITIONS



MILLS *Executive* PARTITIONS

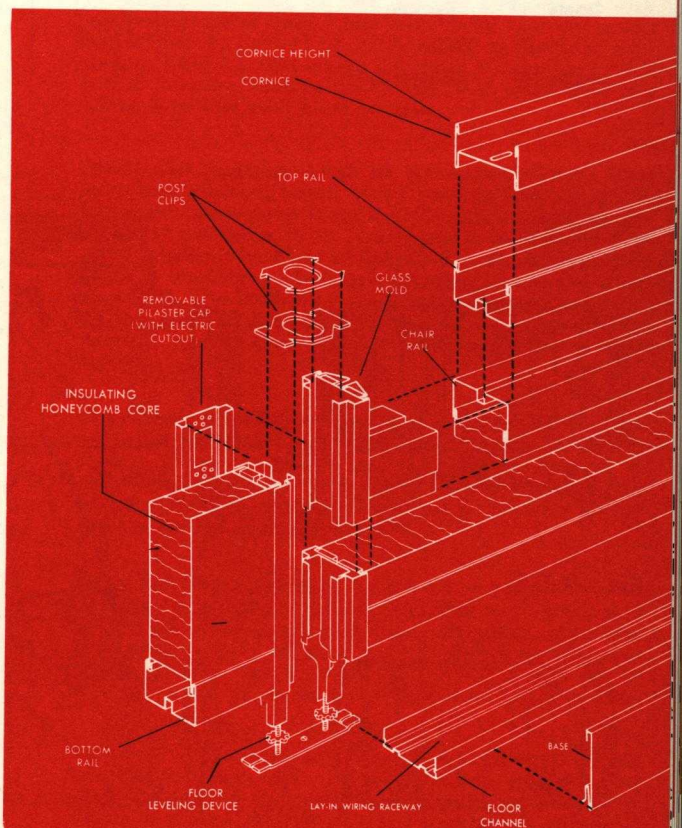
Possessing most of the construction advantages of flush pilaster partitions. Executive Partitions have 2¾″ thick panels, with steel facing sheets, permanently bonded to an insulating honeycomb core and encased within a steel frame. The 4″ base is continuous, without obstruction of plinth blocks; panels may be cut down, if required, in the field.

In thermal insulation quality, load bearing capacity, finish, and lightproofing and dustproofing characteristics, Mills Executive Partitions are substantially the same as Mills Flush Pilaster Partitions. Executive Partitions, all steel to ceiling without doors or packing in base, cornice and posts have a sound transmission loss of 36 decibels.

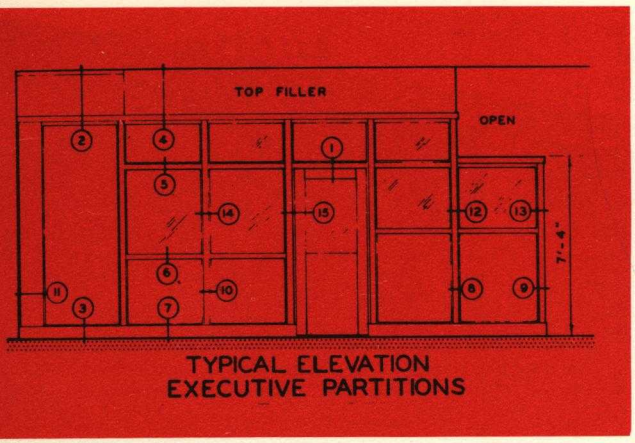
In addition to the items outlined in the exploded view at the right, Mills Executive Partitions offer the following advantages:

POINTS FOR COMPARISON:

- Adjustable door frames, with rubber door strikes.
- Wrap-around base at jambs.
- Universal post, allowing complete panel interchangeability without disturbing adjacent units.
- All parts 100% salvageable.
- Complete accessories, details for special building conditions and hardware, as listed on Page 4.
- Provisions for use of standard electrical components.



quarter-sized details



TYPICAL ELEVATION
EXECUTIVE PARTITIONS

STANDARD PARTITION HEIGHTS

Cornice High:

7'4", 8'4", 9'2½" and 10'0½"

Topfiller Over Cornice:
(If Required)

Varies, Minimum 6"

STANDARD PANEL WIDTHS

All Steel:

6" to 48" in 6" increments

Steel and Glass:

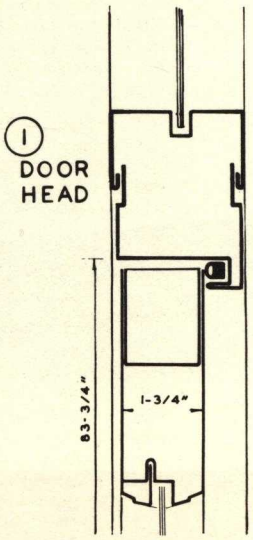
18" to 36" in 6" increments

Door Sections:

Single: 42" Double: 78"

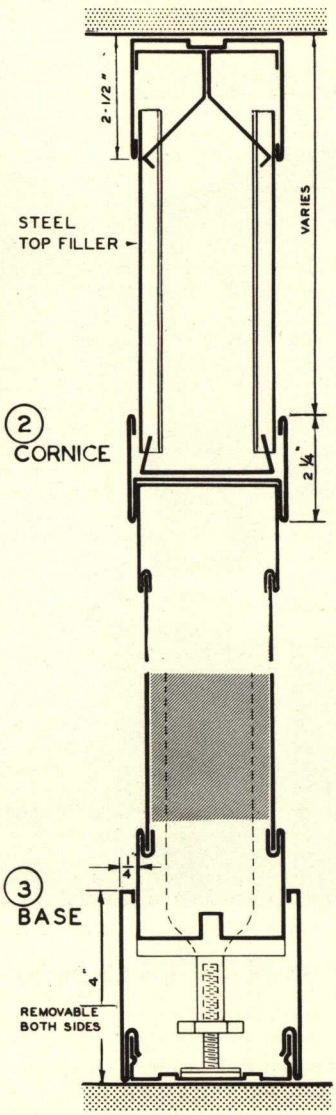
Door Widths:

Single: 36" Double: 2-36"



1 DOOR HEAD

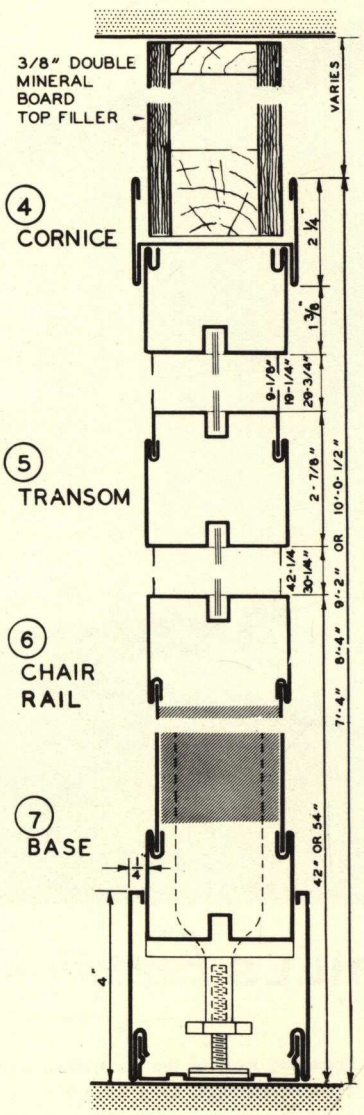
ALL STEEL
WITH STEEL TOP FILLER



2 CORNICE

3 BASE

STEEL & GLASS
WITH DMB TOP FILLER



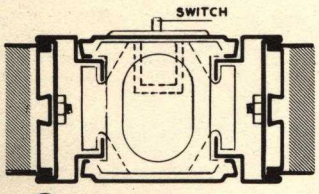
4 CORNICE

5 TRANSOM

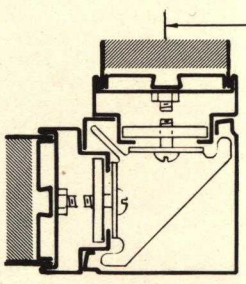
6 CHAIR RAIL

7 BASE

STEEL



8 1-WAY POST



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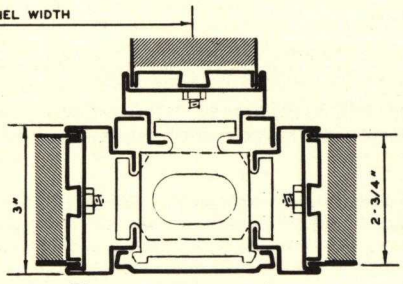

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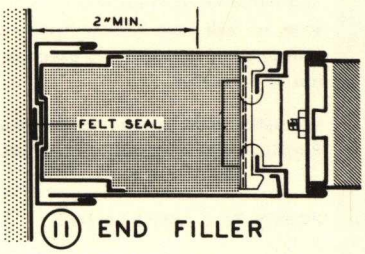
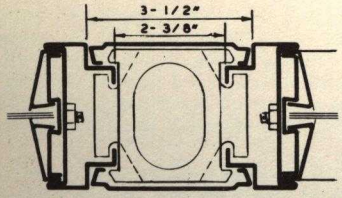


11 END FILLER

GLASS



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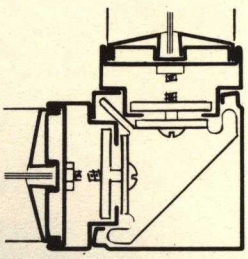

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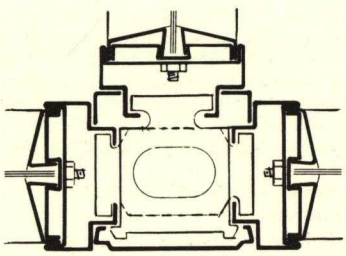
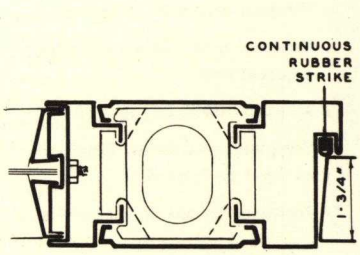


14 3-WAY POST



15 DOOR JAMB

specifications

TYPE—Furnish and erect complete The Mills Company Standard Executive Movable Steel Partition.

SHOP DRAWINGS—Detailed shop drawings indicating plans, elevations, hardware, finish, special conditions and construction shall be submitted to the architect for approval before actual fabrication is started.

UNITS— The partitions are to be 3″ thick, with panels 2¾″ thick built in a standard cornice height of either 7′ 4″, 8′ 4″, 9′ 2″ or 10′ 0½″ to the top of the cornice as indicated. All units are to be shipped from the factory in one assembly from floor to cornice in widths of 6″ increments not to exceed 48″ in all steel and 60″ in steel and glass. All are to be interchangeable. All 42″ wide panels will interchange with 42″ wide door sections. Units shall be so assembled that future extensions of either 2–, 3–, or 4-way may be joined together without removing the adjacent units or material above the cornice line.

STEEL—All exposed steel shall be cold rolled, commercial quality furniture stock, properly annealed, process leveled for smooth, clean surfaces. Gauges specified are United States Standard.

PANELS—Shall be 2¾″ thick, fabricated of commercial quality steel permanently bonded to a honeycomb core with aircraft adhesives, encased in a 3″ steel framing around entire perimeter. Panels shall be factory assembled by means of studs welded to all horizontal sections, permitting cutting down in the field. Glass openings to be provided in the upper portion of panels as indicated on the elevations. If desired panels can be furnished at no additional cost with Fiberglas and stiffeners same as Flush Pilaster partition. See page 11.

RAILS—Bottom, chair and top rails shall be made from No. 18 gauge, 3″ rolled steel sections with glass grooves permitting complete interchangeability.

POSTS—Shall be 3″ rolled steel section, No. 18 gauge. Post design shall permit future extension of 2-, 3-, or 4-way without removing adjacent units or material above cornice.

PANEL CONNECTIONS—The panels and door units proper are to be connected by means of plated No. 11 gauge compression and tension clips that properly align and hold units rigid. The clips are to be provided with a wiring hole to permit vertical wiring and shall also be provided with projections for "snapping on" flush pilaster post cap that is held in place without the use of screws, bolts, nuts, etc. These clips are to be designed to permit their application at any point in the height of the unit.

DOORS AND FRAMES— Doors shall be 1¾″ thick with 3/32″ clearance at jambs and heads. They shall be made of flush design with 5″ wide stiles flush with door panels, which shall be sound deadened. All doors to be reinforced for hinges, locks and door checks. (Hinge reinforcement 14 gauge pressed steel channels, lock reinforcement 16 gauge, check reinforcement 14 gauge.) The standard swing door with frame shall fit a 42″ wide section and the door shall be approximately 3′ by 7′. Glass mouldings to be secured without the use of screws. Frames of 18 gauge shall be adjustable type to compensate for varying floor levels and different floor coverings. Proper frame height shall be attained by telescoping head, with jambs being leveled independently for uneven floors by means of internal channels anchored securely to floor maintaining horizontal top lines and glass lines throughout the installation. Frames shall have continuous rubber gasket at head and jambs.

HARDWARE—Shall be interchangeable as to operation as called for in hardware schedule. Doors shall be provided with two 5″ x 4″ loose pin, ball bearing butt hinges.

CORNICE—(For partitions that do not extend to the ceiling). Shall be made to run continuous over top of all units. Cornice to be No. 18 gauge rolled steel section providing maximum rigidity for horizontal bracing and also providing ample utility space.

CEILING TRIM— (For partitions that extend to the ceiling). Shall be made to run continuous over the top of all units to provide rigidity for horizontal bracing and provide a utility space.

FLUSH PILASTER CAPS—Shall be No. 18 gauge rolled shape of flat ornamental inlay design. The surface of same to be flush with face of posts. Caps shall be removable for disassembly and wiring.

BASE—Shall be No. 20 gauge, 4″ high with ¼″ projection. Shall be flat, sanitary design and run continuous along entire bottom of both sides of the partition without obstruction of plinth blocks at the pilasters. Base to be vertically adjustable for normal irregularities in floor elevations. Base shall be removable from either side to provide ready access to utility spaces.

FLOOR CONNECTIONS—Shall be concealed by the base and fit below each post. They shall be securely fastened to the floor. They shall also be provided with plated vertical threaded studs and leveling wheels to permit fine adjustment to normal floor irregularities.

WALL FILLERS—Shall be No. 18 gauge and telescopically adjustable. All raw steel edges and wall fastenings shall be concealed.

TOP FILLER—(Omit if no top filler required). Mineral board top fillers for partitions that extend to ceiling shall be applied over studs set 24″ on center. Top filler shall be double sheet mineral board 3/8″ thick. Joints to be buttered with compound used for that purpose and covered with perforated tape to make joints invisible and prevent cracking. It shall be painted to match ceiling by partition contractor. Steel top filler of No. 20 gauge for partitions that extend to ceiling shall be double steel with single flush line joints. Top filler shall be removable.

FINISH—All partitions shall be thoroughly cleaned in a phosphate solution, rinsed with a rust-inhibitor and properly dried before paint is applied. Partitions are to be permanently finished with an enamel prime and finish coat of alkyd-melamine base and properly baked to ensure durable quality, meeting performance specifications as published on page 4. The finish coat shall be of a uniform "eggshell" texture; color shall be Mills Color No. . . . . or color to be selected. Specify color of base or doors if different from partition color.

GLASS AND GLAZING—(Omit if no glass required). Glass for metal partitions shall be furnished by partition contractor of design, quality and thickness as specified or called for on drawings. Glass shall be set with neutral gray or tan vinyl glazing strips. Glazing stops shall be applied without the use of screws or bolts.

ERECTION—Partitions shall be erected in a rigid manner, straight and plumb, with horizontal lines level. Units shall be aligned at all panel and door unit joints. Hardware shall be thoroughly adjusted and left in good working condition. Provide reinforcements to ceiling or bracing on runs exceeding 20′ in length unsupported by cross runs.

CLEANING—All rubbish and cartons shall be removed and the job left broom clean. All minor defects and blemishes shall be touched up neatly and finger marks removed. Cleaning of glass, erection dust and washing are considered maintenance work to be done by others.

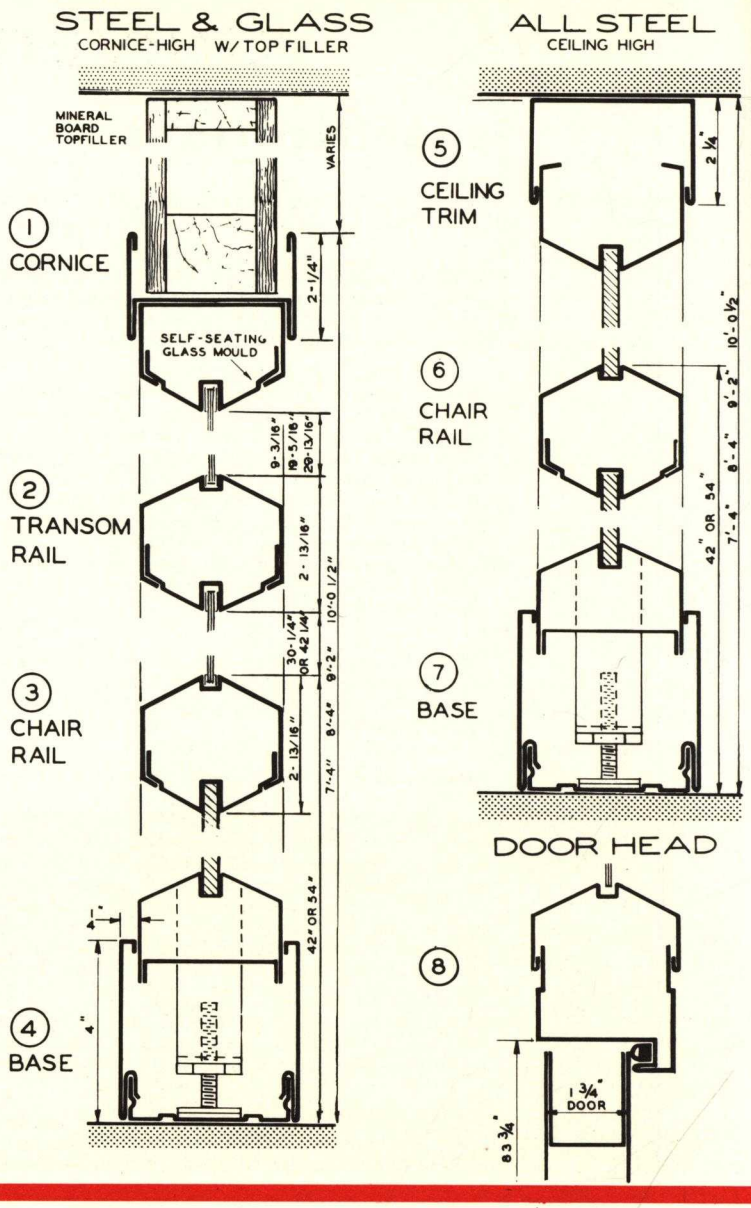
MILLS *Universal* PARTITIONS

As the name implies, an economical partition with a wide range of uses. Adaptable to many general and private office areas, especially useful for moderate cost space division.

OINTS FOR COMPARISON:

- **Modern, clean lines without excess moldings.**
- **Universal post allowing complete flexibility in rearrangement. Extension of post in 2, 3 or 4 ways without distrubing adjacent panels.**
- **Provisions for wiring in cornice, post and base, allowing use of standard electrical components.**
- **Tension and compression post clips provide box girder panel support.**
- **Trim 4″ base, removable from both sides for utility access.**

quarter-sized details



specifications

TYPE—Furnish and erect complete The Mills Company Standard Universal Movable Steel Partition.

SHOP DRAWINGS—Detailed shop drawings indicating plans, elevations, hardware, finish, special conditions and construction shall be submitted to the architect for approval before actual fabrication is started.

UNITS—The partitions are to be 3″ thick, with panels ⅜″ thick, built in a standard cornice height of either 7′4″, 8′4″, 9′2½″ or 10′0½″ to the top of the cornice as indicated. All units are to be shipped from the factory in one assembly from floor to cornice in widths of 6″ multiples not to exceed 48″ in all steel and 60″ in steel and glass. All are to be interchangeable. All 42″ wide panels will interchange with 42″ wide door sections. Units shall be so assembled that future extensions of either 2–, 3–, or 4-way may be joined together without removing the adjacent units or material above the cornice line.

STEEL—All exposed steel shall be cold rolled, commercial quality furniture stock, properly annealed, process-leveled for smooth, clean surfaces. Gauges specified are United States standard.

PANELS—Shall be ⅜″ thick, fabricated of two commercial quality steel sheets, permanently bonded to a 5/16″ inorganic core with aircraft adhesives, encased in a 3″ steel framing around entire perimeter. Panels shall be factory-assembled by means of studs welded to all horizontal sections, permitting cutting down in the field. Glass openings to be provided in the upper portion of panels as indicated on the elevations. If desired, panels can be furnished (at no additional cost) with fiberglass and stiffeners same as Flush Pilaster partition. See page 11.

RAILS—Bottom, chair and top rails shall be made from No. 20 gauge, 3″ rolled steel sections, with glass grooves.

POSTS—Shall be 3″ rolled steel section, No. 20 gauge. Post design shall permit future extension of 2–, 3– or 4-way without removing adjacent units or material above cornice.

PANEL CONNECTIONS—The panels and door units proper are to be connected by means of plated No. 11 gauge compression and tension clips that properly align and hold units rigid. The clips are to be provided with a wiring hole to permit vertical wiring and shall also be provided with projections for "snapping on" flush pilaster post cap that is held in place without the use of screws, bolts, nuts, etc. These clips are to be designed to permit their application at any point in the height of the unit.

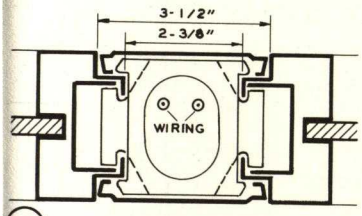
FLUSH PILASTER CAPS—Shall be No. 18 gauge rolled shape of flat ornamental inlay design. The surface of same to be flush with face of posts. Caps shall be removable for disassembly and wiring.

DOORS AND FRAMES—Doors shall be 1¾″ thick with 3/32″ clearance at jambs and heads. They shall be made of flush design with 5″ wide stiles flush with door panels, which shall be sound deadened. All doors to be reinforced for hinges, locks and door checks. (Hinge reinforcement 14 gauge pressed steel channel, lock reinforcement 16 gauge, check reinforcement 14 gauge). The standard swing door with frame shall fit a 42″ wide section and the door shall be approximately 3′ by 7′. Glass mouldings to be secured without the use of screws. Frames shall be full adjustable type to compensate for varying floor levels and different floor coverings. Proper frame height shall be attained by telescoping head, with jambs being leveled independently for uneven floors by means of internal channels anchored securely to floor maintaining horizontal top lines and glass lines throughout the installation. Frames shall have continuous rubber gasket at head and jambs.

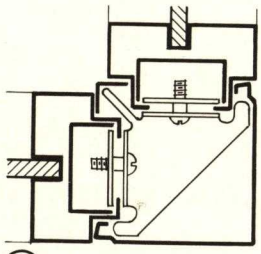
HARDWARE—Shall be interchangeable as to operation as called for in hardware schedule. Doors shall be provided with two 5″ x 4″ loose pin, ball bearing butt hinges.

UNIVERSAL PARTITIONS

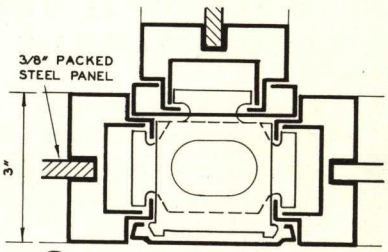
STEEL



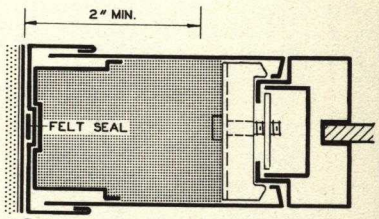
(9) 1-WAY POST



(10) 2-WAY POST

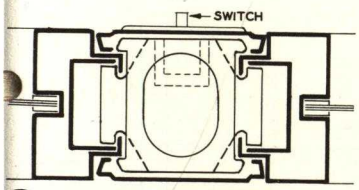


(11) 3-WAY POST



(12) END FILLER

GLASS



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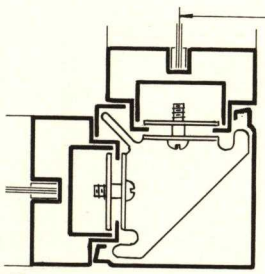

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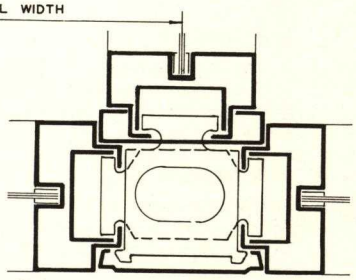
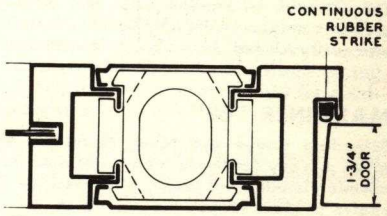
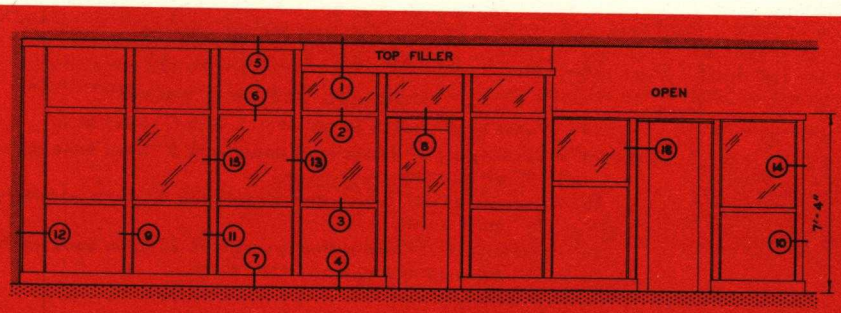


(15) 3-WAY POST



(16) DOOR JAMB



TYPICAL ELEVATION - UNIVERSAL PARTITIONS

STANDARD PARTITION HEIGHTS

Ceiling High:	7'4", 8'4", 9'2½", 10'0½"
Cornice High:	7'4", 8'4", 9'2½", 10'0½"
Top Filler Over Cornice: (If Required) Varies, Min. 6"	

STANDARD PANEL WIDTHS

All Steel:	6" to 48" in 6" increments
Steel & Glass:	18" to 48" in 6" increments
Door Sections:	Single: 42"; Pair: 78"
Doors:	Single: 36"; Pair: 2-36"

specifications (Cont'd.)

CORNICE—(For partitions that do not extend to the ceiling.) Shall be made to run continuous over top of all units. Cornice to be No. 18 gauge rolled steel section providing maximum rigidity for horizontal bracing and also providing ample utility space.

CEILING TRIM—(For partitions that extend to the ceiling.) Shall be made to run continuous over the top of all units to provide rigidity for horizontal bracing and provide utility space.

BASE—Shall be No. 20 gauge, 4" high with ¼" projection. Shall be flat, sanitary design and run continuous along both sides of the partition without the obstruction of plinth blocks at the pilasters. Base to be vertically adjustable for normal irregularities in floor elevations. Base shall be removable from either side to provide ready access to utility spaces.

TOP FILLER—(Omit if no top filler required). Mineral board top fillers for partitions that extend to ceiling shall be applied over studs set 24" on center. Top filler shall be double sheet mineral board ⅜" thick. Joints to be buttered with compound used for that purpose and covered with perforated tape to make joints invisible and prevent cracking. It shall be painted to match ceiling by partition contractor. Steel top filler of No. 20 gauge for partitions that extend to the ceiling shall be double steel with single flush line joints. Top filler shall be removable.

WALL FILLERS—Shall be No. 18 gauge and telescopically adjustable. All raw steel edges and wall fastenings shall be concealed.

FLOOR CONNECTIONS—Shall be concealed by the base and fit below each post. They shall be securely fastened to the floor. They shall also be provided with plated vertical threaded studs and leveling wheels to permit fine adjustment to normal floor irregularities.

FINISH—All partitions shall be thoroughly cleaned in a phosphate solution, rinsed with a rust-inhibitor and properly dried before paint is applied. Partitions are to be permanently finished with an enamel prime and finish coat of alkyd-melamine base and properly baked to ensure durable quality, meeting performance specifications as published on Page 4. The finish coat shall be of a uniform "eggshell" texture; color shall be Mills Color No. . . . or color to be as selected. *Specify color of base or doors if different from partition color.*

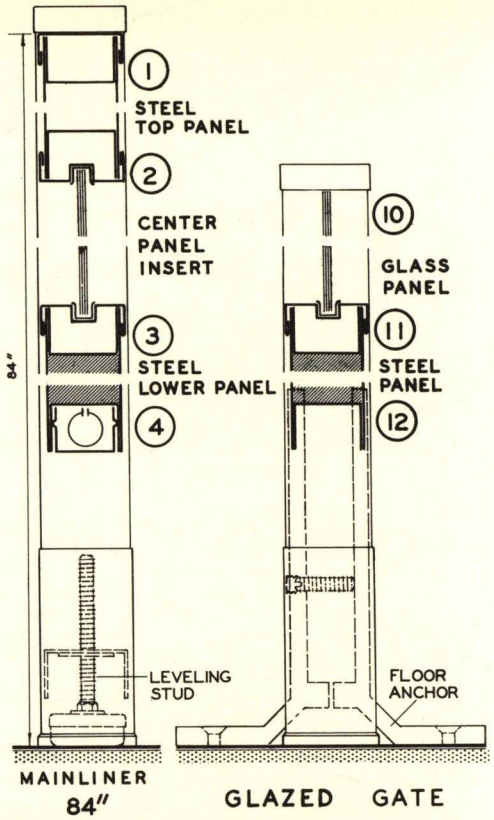
GLASS AND GLAZING—(Omit if no glass required). Glass for metal partitions shall be furnished by partition contractor of design, quality and thickness as specified or called for on drawings. Glass shall be set with aluminum glazing strips. Glazing molds shall be an integral part of glass frame. They shall be self-seating and insure a positive stop on glass at all times. Loose glazing stops and exposed screws shall not be used.

ERECTION—Partitions shall be erected in a rigid manner, straight and plumb, with horizontal lines level. Units shall be aligned at all panel and door unit joints. Hardware shall be thoroughly adjusted and left in good working condition. Provide reinforcements to ceiling or bracing on runs exceeding 20' in length unsupported by cross runs.

CLEANING—All rubbish and cartons shall be removed and the job left broom clean. All minor defects and blemishes shall be touched up neatly and finger marks removed. Cleaning of glass, erection dust and washing are considered maintenance work to be done by others.

MILLS *Mainliner* FREE-STANDING PARTITIONS

A new movable wall for simple, inexpensive space control. Extremely versatile, Mainliner is available in four heights and ten widths to fill virtually every need for office subdivisions.



MAINLINER "84"

The ultimate in convenience and privacy. provides maximum height. Quickly installed and easily moved. Also available with doors.

MAINLINER "68"

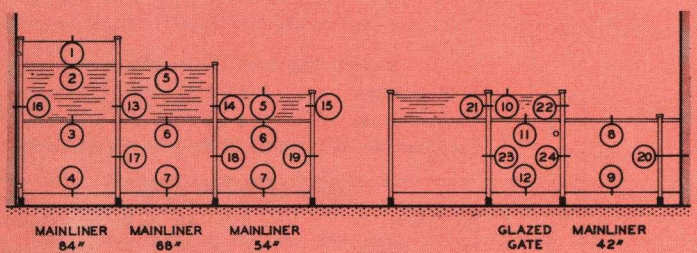
Extending above eye level, Mainliner 68" gives privacy for those who want it or panoramic visibility for those who need it—the choice of glass makes the difference.

MAINLINER "54"

A see-over partition, Mainliner 54" gives the feeling of a separate office—makes concentration easier, but allows a view to other areas.

MAINLINER "42"

For departmental divisions or subdivisions, for attractive reception areas and many other uses, Mainliner railing-height partitions are ideal.



TYPICAL ELEVATIONS — MAINLINER PARTITIONS

STANDARD PANEL WIDTHS:
12", 18", 24", 30", 36", 42", 48", 54", 60", 66"

STANDARD PARTITION HEIGHTS:

42"—Panel is all steel to height of 42" with 6" open base

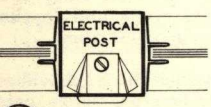
54"—Consists of 42" lower steel panel with 6" open base topped by a 12" glass panel.

68"—Consists of 42" lower steel panel with 6" open base topped by 26" glass panel.

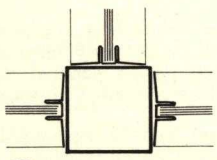
84"—Consists of 42" lower steel panel with 6" open base topped by a 26" glass panel and a 16" steel panel.

quarter-sized detail

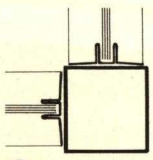
GLASS



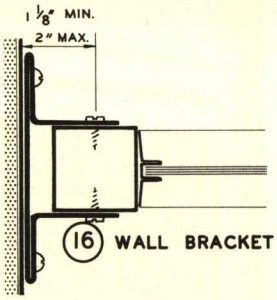
(13) 1-WAY POST



(14) 3-WAY POST

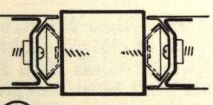


(15) 2-WAY POST

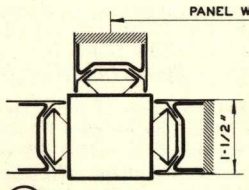


(16) WALL BRACKET

STEEL



(17) 1-WAY POST



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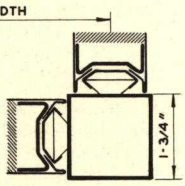
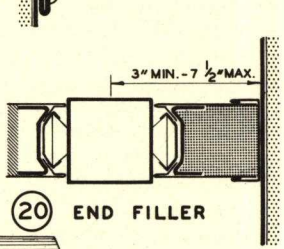
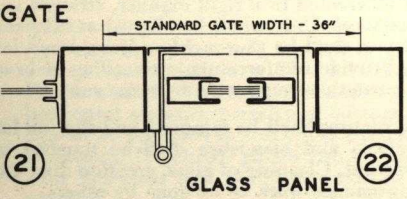


(19) 2-WAY POST

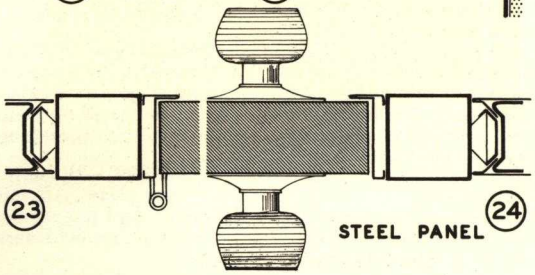


(20) END FILLER

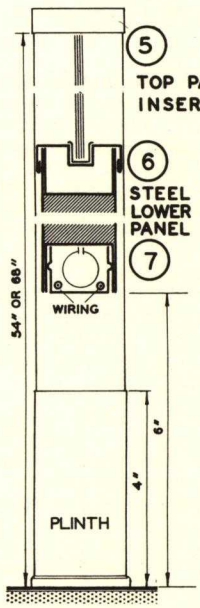
GATE



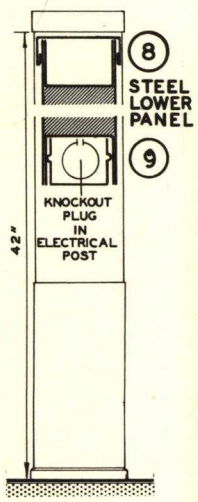
(21) GLASS PANEL (22)



(23) STEEL PANEL (24)



MAINLINER 54"-68"



MAINLINER 42"

MAINLINER PARTITIONS

specifications

TYPE—Furnish complete, with exception of glass and erection, The Mills Company standard Mainliner Movable Steel Partitions.

UNITS—Partitions shall have 1¾″ square posts with steel panels 1½″ thick, designed to be assembled in standard heights of 84″, 68″, 54″ and 42″ from floor to top of partition. They shall be made up of standard steel or steel and glass components (as required) assembled as indicated in plans and elevations. Partitions shall be shipped from the factory in panel widths from 12″ to 66″ in 6″ increments. Future extentions of assembled units that have the same height or a lower height for either 2–, 3–, or 4-way conditions may be made without replacing posts.

STEEL—All exposed steel shall be cold-rolled commercial quality furniture stock, process leveled for smooth, clean surfaces. Gauges Specified are U.S. standard.

STEEL PANELS—Shall be 1½″ thick, fabricated of two steel sheets, permanently bonded to a honeycomb core with aircraft adhesives, framed internally with 20 gauge horizontal and 14 gauge vertical channels. Each panel end shall be provided with two high carbon steel spring locking devices for attachment to post. Snap-in wire raceway channels at bottom of panel shall be allowed for continuous wiring through pass-through in electrical post.

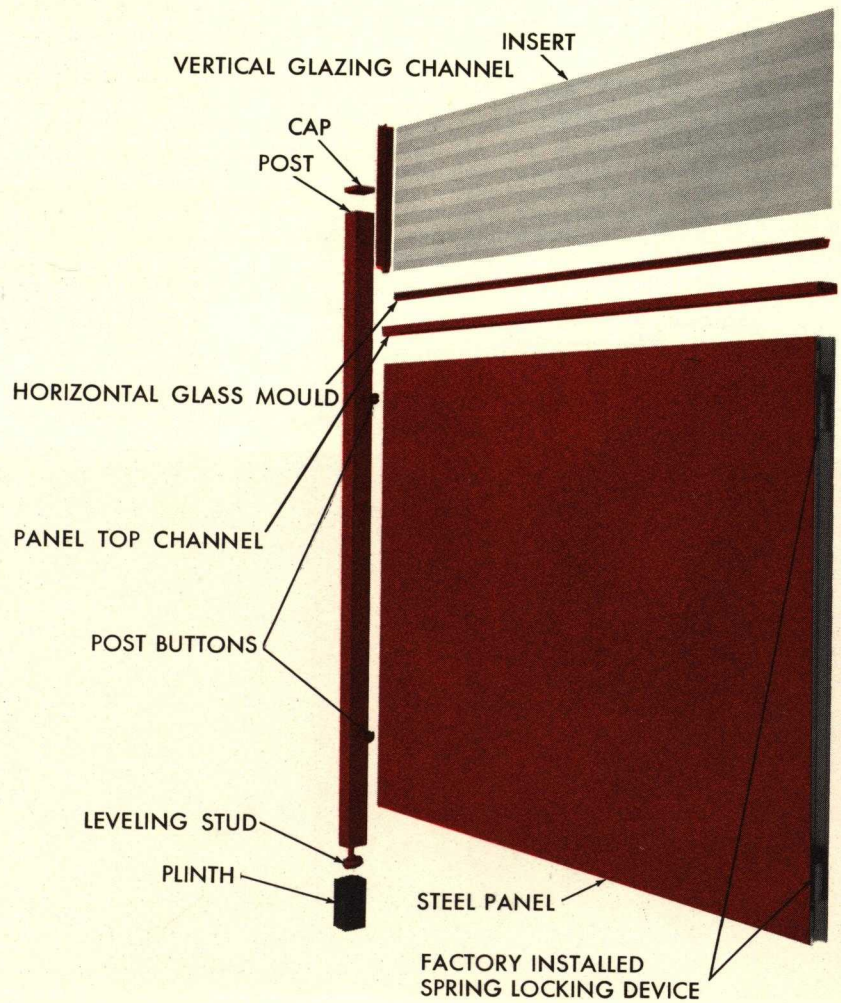
raceway channel at bottom of panel shall allow for continuous wiring through pass-through in electrical post.

PANEL TOP CHANNEL—For all panels except 42″ height shall be rolled steel, designed to receive vinyl glass mold. Top channel for 42″ height similar, but without glazing groove.

VERTICAL GLAZING CHANNEL—Shall be furnished for partitions over 42″ in height. It shall be a rolled steel channel designed to receive all thicknesses of glass to and including ¼″. Two spring steel glazing clips per unit shall be furnished when ⅛″ or 7/32″ glass is used.

HORIZONTAL GLASS MOULD—Shall be neutral gray vinyl, designed to fit snugly into horizontal glazing channel for units to be glazed. It shall receive all thicknesses of glass to and including ¼″.

POSTS—Shall be 16 gauge, 1¾″ square steel tubing, pre-drilled to receive 1–, 2–, 3–, or 4-way connections. Post shall be furnished with ¾″ lanced hole on each side near bottom for wiring pass through. Bottom shall be prepared for adjusting stud. One post to be furnished with each panel—additional post of height required shall be specified for use at end of panel run. **ELECTRICAL POST**— Shall be the same as standard post but with addition of duplex outlets and 7 foot long cord with standard plug for connecting to electrical system.



PANEL CONNECTIONS—Two factory-installed spring locking devices shall be attached to each panel vertical channel to interlock with tapered steel button on post. Post locking buttons to be applied with Parker-Kalon metal screws in pre-drilled holes.

WALL FITTINGS—Standard connection to fixed walls or columns shall be made with two heavy-gauge steel wall "U" or "F" brackets, finished in partition color.

POST CAP—Shall be a pressed steel stamping finished in partition color, or natural finish anodized aluminum, to cover top of post and secure vertical glazing channel.

GATES—42″ high gates shall be 1½″ thick, consisting of two face sheets permanently bonded to honeycomb core, similar in construction to panels. They shall be single acting and shall be mortised and reinforced for hardware application.

54″ and 68″ gates shall be of same construction as 42″ gates, but with provisions for glazing to match adjoining panels.

DOORS—For 84″ height shall be 1½″ thick with 3/32″ clearance at jambs and heads. They shall be of flush design and sound-deadened. All doors to be reinforced for hinges and lock or latchsets. The standard Mainliner swing door with frame shall fit a 36″ wide section, and the door shall be approximately 2′-9″ x6-′2″.

END FILLERS—Shall be same construction as panel units except one end only will have provisions for attaching to post. Wall end to telescope into wall channel fastened to wall. Height of Filler to match adjacent panel, with open or closed base as specified.

HARDWARE—For 42″ Gates: Shall be Mills standard push and pull plates, with Mills standard roller latch. 54″ or 68″ gates and 84″ doors shall be provided with Mills standard Mainliner latch set or cylinder lock set, as specified. Hardware finish shall be U.S. 26-D dull chrome or U.S. 10 dull bronze-

FLOOR CONNECTIONS—⅜″ threaded leveling stud with locked-in vinyl foot shall be secured to bottom of each post to prevent movement on flooring and to provide adjustment for uneveness in floor. Assembly shall be concealed by 4″ high black vinyl or natural finish, anodized aluminum plinth. For continuous runs over 10′-0″ at gate and door openings and at free-standing ends, floor anchors shall be used. Anchors shall be two ⅜″ thick gray iron castings designed to slide up into post and tightened with a set screw inserted between castings. Two wood screws and floor inserts shall be furnished with each anchor member—assembly painted black or aluminum to blend with post plinths.

FINISH—After thorough cleaning and drying, partition units shall be permanently finished with an acrylic enamel, properly baked to ensure durable quality. Color shall be chosen from sixteen designer-selected colors, appearing on Mainliner color charts. Other colors may be matched at additional cost, upon submission of paint sample.

GLASS—Shall be by others. Mainliner is designed to receive any type of glass up to and including ¼″ thickness except ¼″ wire glass. Top edges of exposed glass shall be seamed to remove sharp edges.

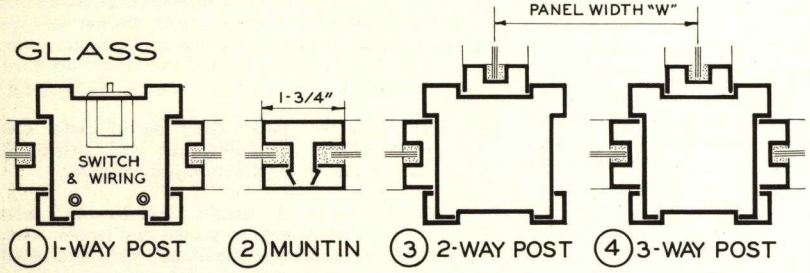
MILLS *Commercial* PARTITIONS

Used throughout the nation in factories, warehouses, institutions and other buildings. Recommended for departmental divisions, factory offices, tool cribs and stock rooms.

POINTS FOR COMPARISON:

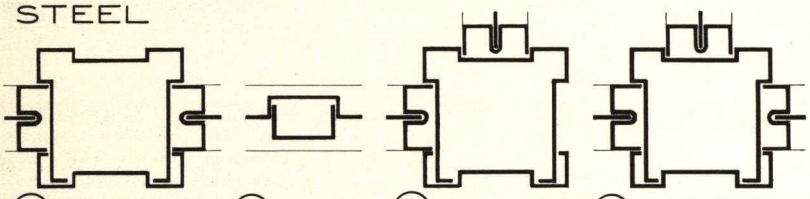
- **Universal 3″ square posts for extension in 2, 3, or 4 ways without removing standing units.**
- **Unobstructed wiring areas in cornice, base and post, with provisions for standard-sized electrical components.**
- **May be extended to any ceiling height and to fit irregular roof construction.**
- **Sturdy, all-steel construction and continuous post reinforcements.**
- **Durable baked enamel finish.**

GLASS

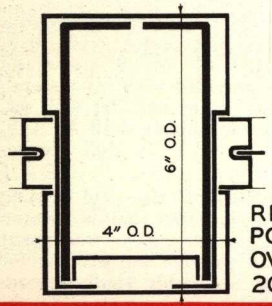


(1) 1-WAY POST (2) MUNTIN (3) 2-WAY POST (4) 3-WAY POST

STEEL

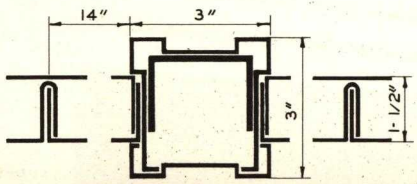


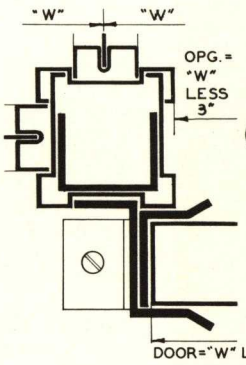
(5) 1-WAY POST (6) BATTEN (7) 2-WAY POST (8) 3-WAY POST



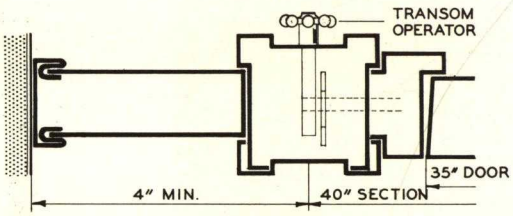
REINF. POST OVER 20 FT.

(9) CEILING FILLER & REINF. POST, 14-20′

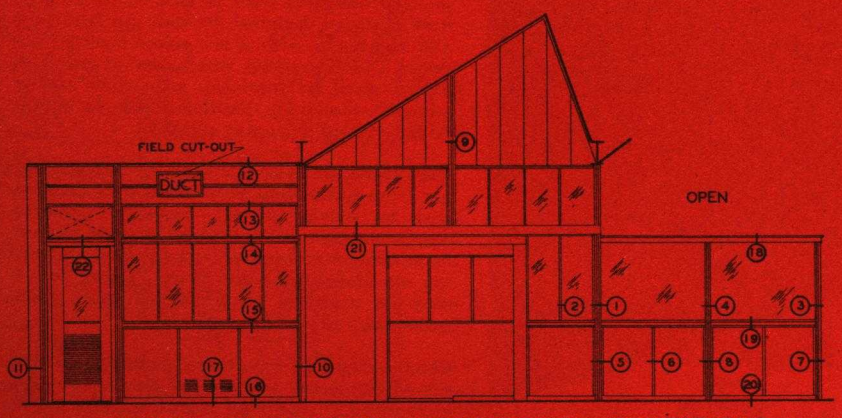




(10) SLIDE DOOR STRIKE & JAMB; REINF. POST FOR TRACK ASSEMBLY



(11) WALL FILLER & DOOR JAMB

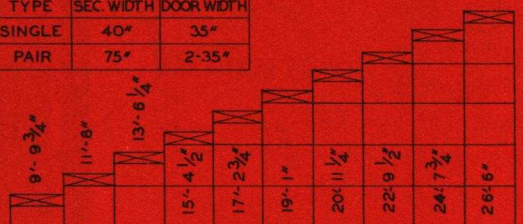


TYPICAL ELEVATION - COMMERCIAL PARTITIONS

STANDARD SECTION CHART

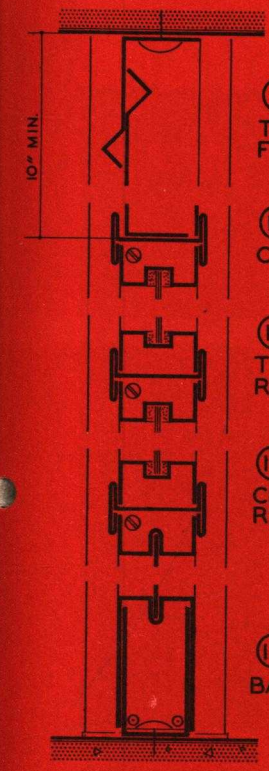
STANDARD CORNICE HEIGHTS - 7′-4 1/2″, 9′-2 3/4″ & 11′-1″
(IF FILLER REQUIRED TO CEILING SEE SECTION (12) - 10″ MIN.)

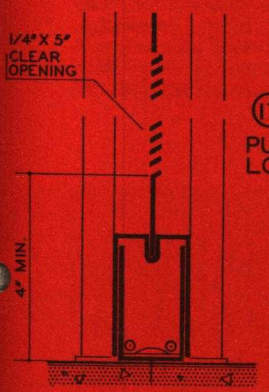
STD. DOOR SECTION SIZE		
TYPE	SEC. WIDTH	DOOR WIDTH
SINGLE	40″	35″
PAIR	75″	2-35″

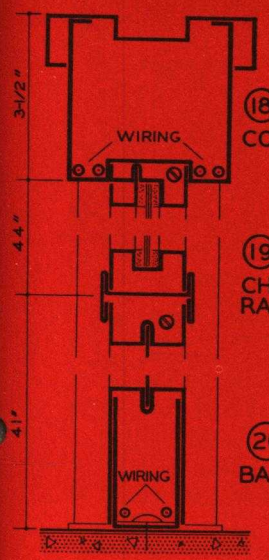


CEILING HEIGHTS INCLUDING MIN. 10″ FILLER (12) BASIS
TRANSOM LITES STEEL OR GLASS - 22-1/4″ OR 44 1/2″

PANEL WIDTHS "W" STEEL OR GLASS & MUNTIN DIVISION







specifications

TYPE—Furnish and erect complete The Mills Company Standard Commercial Movable Steel Partition.

SHOP DRAWINGS—Detail shop drawings indicating plan, elevation, hardware, finish, special conditions and construction shall be submitted to the architect for approval before actual fabrication is started.

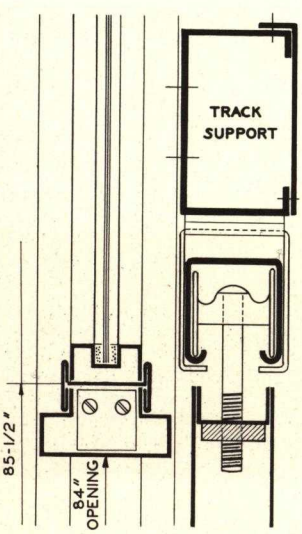
UNITS—All units shall be built in multiple widths of 10″ and constructed so that two 40″s, a 50″ and a 30″ or four 20″s will fit in the same space taken by an 80″ unit. Also, door and frame section will interchange with a standard panel measuring 40″. Units shall be so constructed and assembled that future extension of either 2–, 3– or 4-way may be joined together without removing the adjacent units or using fillers.

STEEL—All exposed steel shall be cold rolled, commercial quality furniture stock, properly annealed, process leveled for smooth, clean surfaces. Gauges specified are United States Standard.

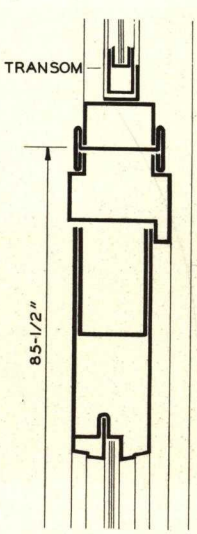
PANELS—Steel panels shall be constructed of standard units of 22 gauge frames and 18 gauge sheets, welded in place to reduce rattle and sag and retain square units. Glass frames shall be constructed of standard units of 22 gauge frames welded in place to retain square units. Lower panels shall be approximately 42″ high with upper panels or glass frames either 44½″ or 22¼″ high. Units shall be assembled in partitions by means of concealed bolts to posts and interlocked vertically by means of a 20 gauge horizontal H-section rail running between posts.

POSTS—Posts shall be No. 18 gauge 3″ square—one side removable to provide space for wiring and attachment of concealed bolts from panels, glass frames and doors. The faces of posts to be recessed to receive panels, glass frames, etc., to conceal raw edges and form a light shield. Bottom of posts to have opening for wiring. Post caps of No. 18 gauge shall be of the same general design as posts and snap-on over blisters provided in the posts to hold securely without the use of screws, bolts or nuts.

21 SLIDE DOOR HEAD AND TRACK ASSEMBLY



22 STANDARD DOOR HEAD



BASE—Base of No. 20 gauge shall be 3″ high and fit over a floor channel for telescopic adjustment to take care of floor irregularities and provide a utility space.

CORNICE—Cornice, when required, shall be 4½″ wide x 3½″ high of No. 18 gauge two-piece box construction. Cornice shall be hollow to allow for concealed wiring.

WALL FILLERS—Adjustable wall fillers are to be used at the ends of runs. They shall be securely fastened to the building wall.

TOP FILLER—Single steel filler plates of No. 20 gauge ordinarily provided for ceiling height partitions with continuous posts from floors to ceiling.

Mineral board top filler from cornice to ceiling furnished if specified.

DOORS AND FRAMES—Doors shall be 1¾″ thick with 3/32″ clearance at jambs and heads. They shall be made of flush design with 5″ wide stiles flush with panels, which shall be sound deadened. All doors to be reinforced for hinges, locks and door checks. (Hinge reinforcement 14 gauge pressed steel channels, lock reinforcement 16 gauge, check reinforcement 14 gauge.) The standard swing door with frame fits 40″ wide section and be approximately 3′ x 7′. Glass moldings to be secured without the use of screws. Frames of No. 18 guage shall be unit type— factory welded and finished.

HARDWARE—Shall be interchangeable as to operation as called for in hardware schedule.

Doors shall be provided with two 5″ x 4″ loose pin ball bearing butt hinges.

FINISH—All partitions shall be thoroughly cleaned in a phosphate solution, rinsed with a rust-inhibitor and properly dried before paint is applied. Partitions are to be permanently finished with separate baked on enamel prime and finish coat of alkyd-melamine base and properly baked to ensure durable quality, meeting performance specifications as published on Page 4. The finish coat shall be of a uniform "egg-shell" texture; color shall be Mills Color No. . . . or color to be as selected. Specify color of doors if different from partition color.

GLASS AND GLAZING—(Omit if no glass required). Glass for metal partitions shall be furnished by partition contractor of design, quality and thickness as specified or called for on drawings. Glass shall be bedded in putty and back puttied. Putty shall be colored to match the finish of adjacent metal work. Glazing stops and muntins shall be applied without the use of screws or bolts.

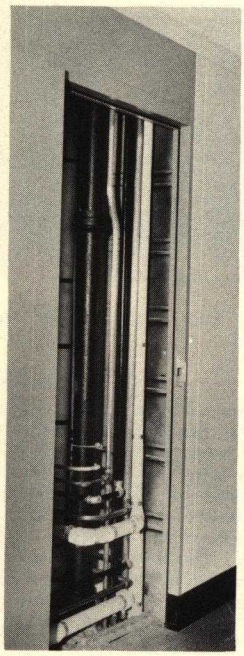
ERECTION—Partitions shall be erected in a rigid manner; straight and plumb, with horizontal lines level. Units shall be aligned at all panel and door unit joints. Hardware shall be thoroughly adjusted and left in good working condition. Provide reinforcements to ceiling or bracing on runs exceeding 20′ in length unsupported by cross runs.

CLEANING—All rubbish and cartons shall be removed and the job left broom clean. All minor defects and blemishes shall be touched up neatly and finger marks removed. Cleaning of glass, erection dust and washing are considered maintenance work to be done by others.

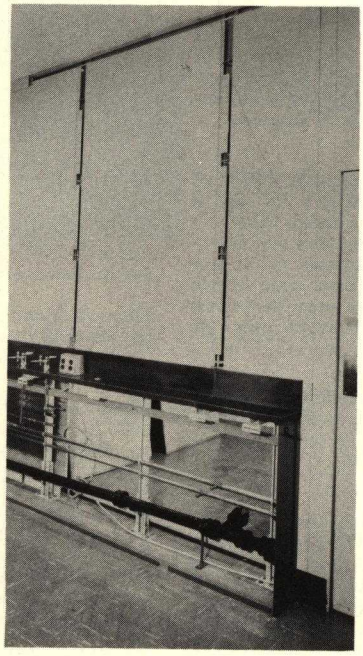
ACCESSORIES

Pictured and detailed in this section are some of the many accessories which make Mills movable walls and partition systems completely versatile and adaptable to individual requirements for convenience and utility.

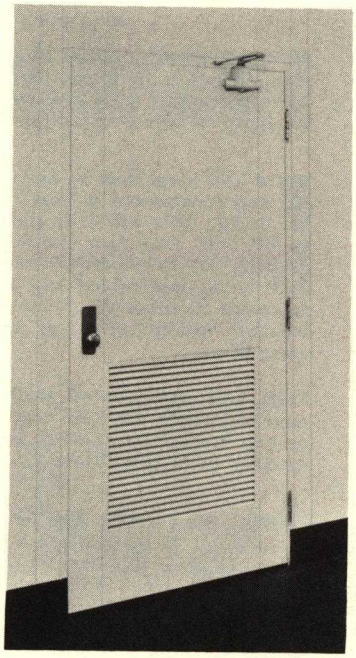
(See Accessories list, page 4)



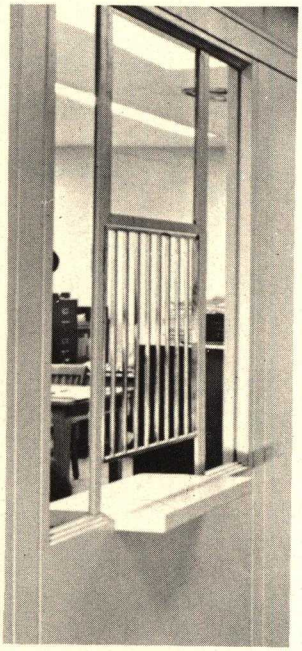
ACCESS SHAFT ENCLOSURE—Encloses vertical service pipes, drains and conduit. Full size (3′ x 7′) door provides complete access for easy maintenance of facilities.



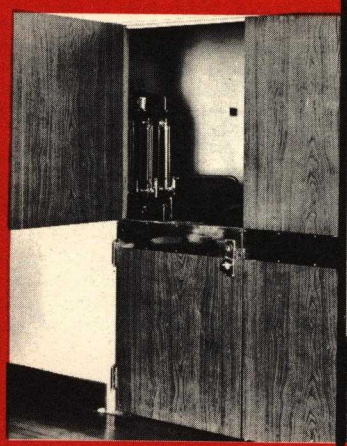
LABORATORY BENCH SERVICE STRIP—Encloses horizontal service pipes, drains and conduit for immediate access to working bench. Completely adaptable to changing service conditions enclosed.



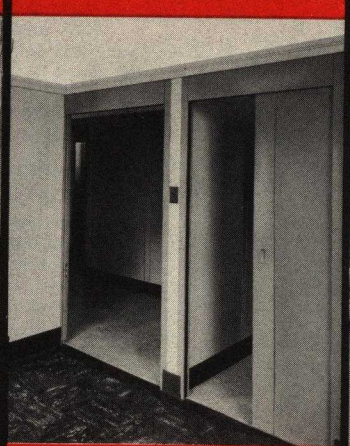
LOUVRES—Air conditioning technique demands adequate facilities for air circulation. Louvred panels and doors are available in standard sizes and are interchangeable with solid doors or standard partition panels.



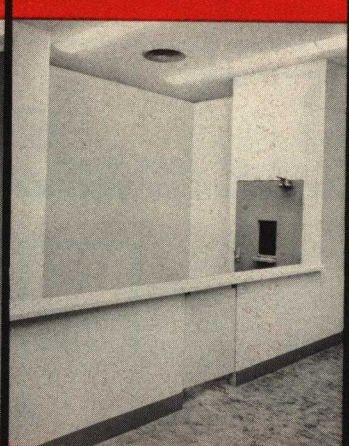
WICKETS—Available in Mills panels and doors. Stock size 18″ x 24″, hinged or sliding. Furnished with painted steel deal plates, covered with glass or linoleum if specified.



DUTCH DOORS—Used wherever it is desirable to pass materials in and out and at the same time prevent general access. Equipped with deal plates on both sides. Doors may be all-steel, steel and glass, or steel and wire mesh.



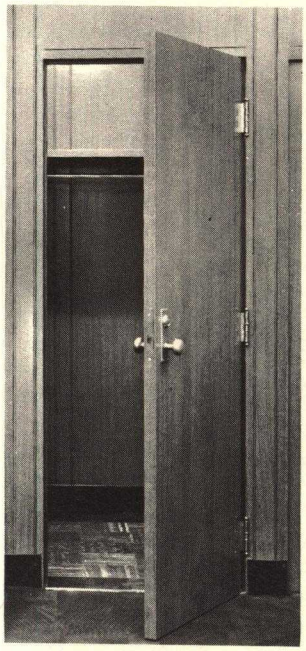
SLIDING DOORS—Slide into partition, close by gravity, are equipped with an automatic felt drop. Eliminate arc of door swing, thus saving valuable room space. Ball bearing hangers with fiber rollers insure easy, quiet operation.



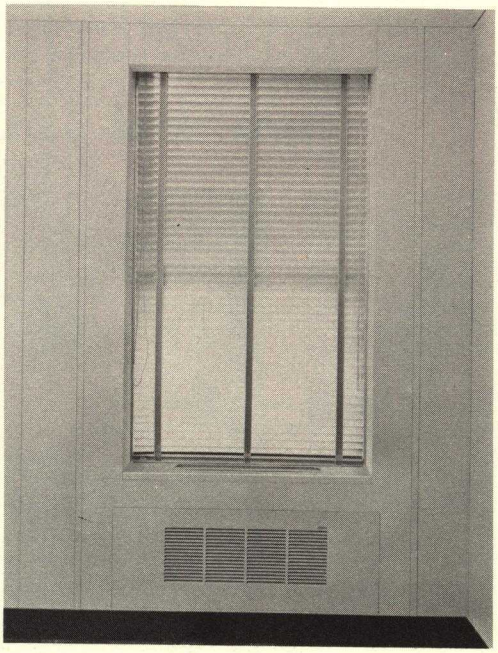
COUNTERS AND CABINETS—Combination counters and cabinets embodying the same structural details and movable features as Mills standard partitions and railings meet individual requirements and permit rearrangement.

BOOK CASES—Furnished with or without doors in a standard unit of Mills 3″ Flush Pilaster Partition and interchangeable with any standard unit.

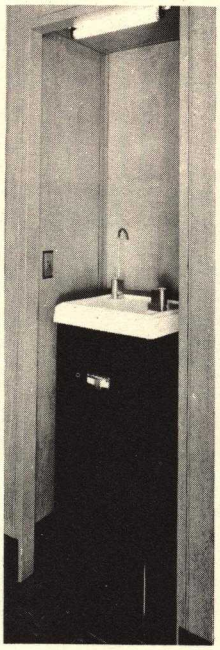
ACCESSORIES



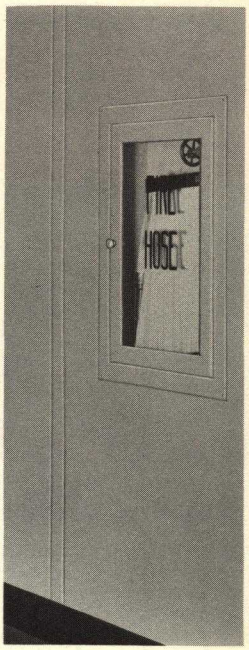
CLOSETS—Made of standard Mills partition sections which match the wall construction exactly, and may contain louvres for forced ventilation. All are equipped with hat shelf and coat rod.



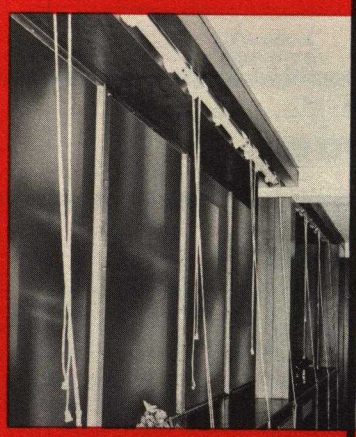
WINDOW EMBRASURES—Attractive window stools and grilled radiator fronts with practical, removable panels conceal unattractive radiators. Designed and finished to match the adjacent walls and partitions, the window embrasures combine ready accessibility with architectural symmetry.



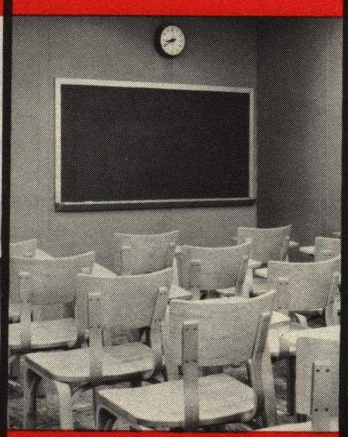
DRINKING FOUNTAIN ALCOVES — Made of standard sections to permit placing the fountain out of the line of hallway traffic.



HOSE CABINETS— Flush door with glass panel which may be easily removed to give access to unit or piping. Concealed hardware with no projections.

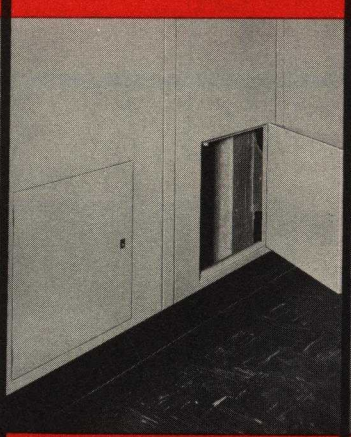


VENETIAN BLIND POCKETS—Are incorporated in the window embrasure. They conceal operating mechanism and blind when it is raised and harmonize perfectly with the design of surrounding partitions and wall linings.

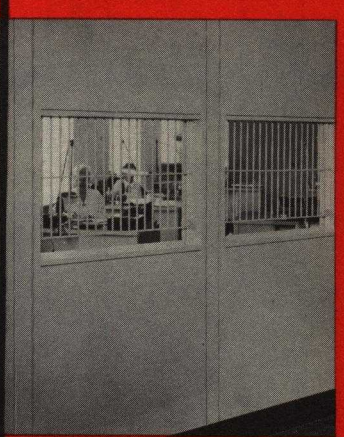


CHALK BOARDS—Modern school design seeks flexibility.

Standard size chalk boards and tack boards with customary accessories are adapted to Mills standard partition to permit rearrangement.

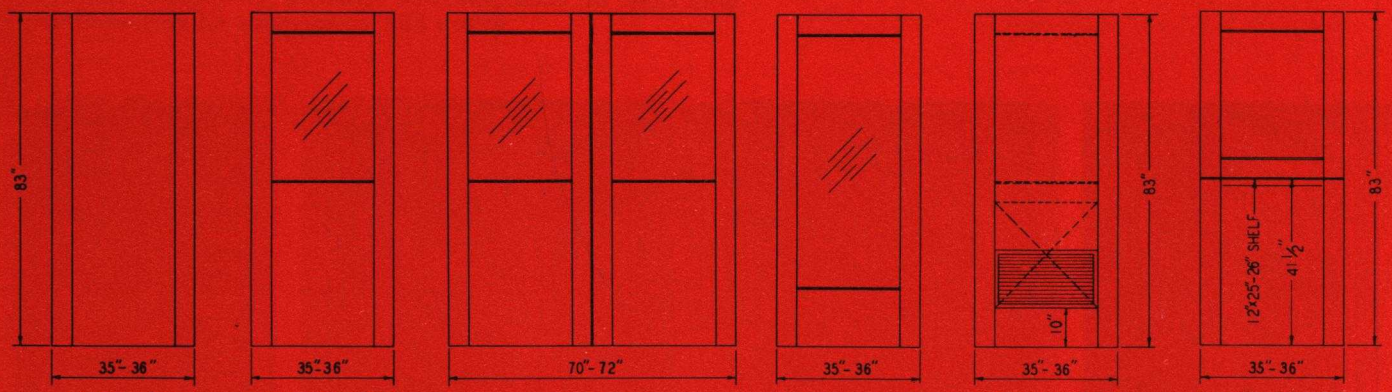


ACCESS DOORS — For access to pipe valves, vent dampers, etc. Size 24" x 24" x ¾" thick, flush type, fully insulated. Concealed Soss hinges, friction catches, and drop ring pulls flush with surface. Vital for maintenance of modern facilities.



GRILLES—Steel, painted to match partition, slideup type to permit passing large packages. Also furnished hinged on either side or fixed in position.

DOORS



FLUSH STEEL *222

LOUVER	STD.
HALF	*260
FULL	*261

SINGLE GLAZED -*230
HALF LOUVER - *262
FULL LOUVER - *263
DOUBLE GLAZED -*120
HERMETICALLY SEALED GLASS - *206

PAIRS OF DOORS FOR-STEEL-GLASS-LOUVERS SEE SINGLE TYPE NOS.

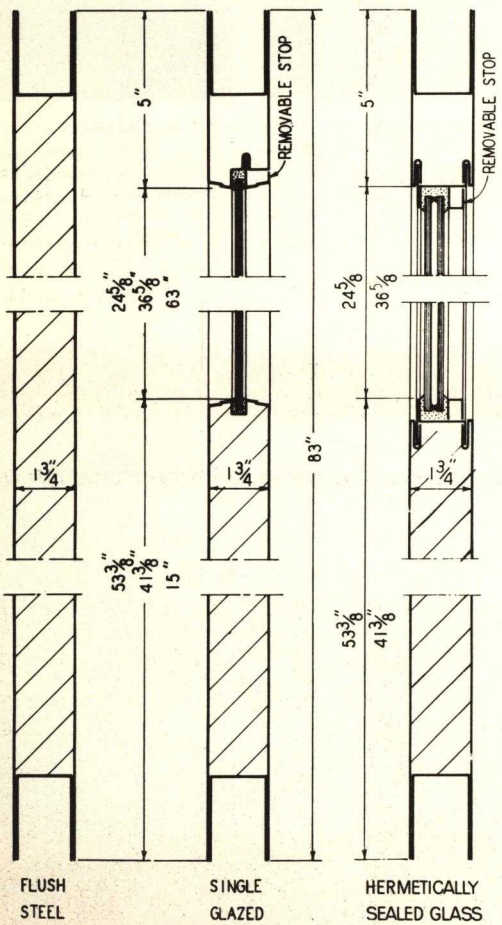
FULL LITE -*235 NO LOUVER

HALF OR FULL LOUVER STANDARD OR LIGHT-PROOF SEE TYPE NOS.

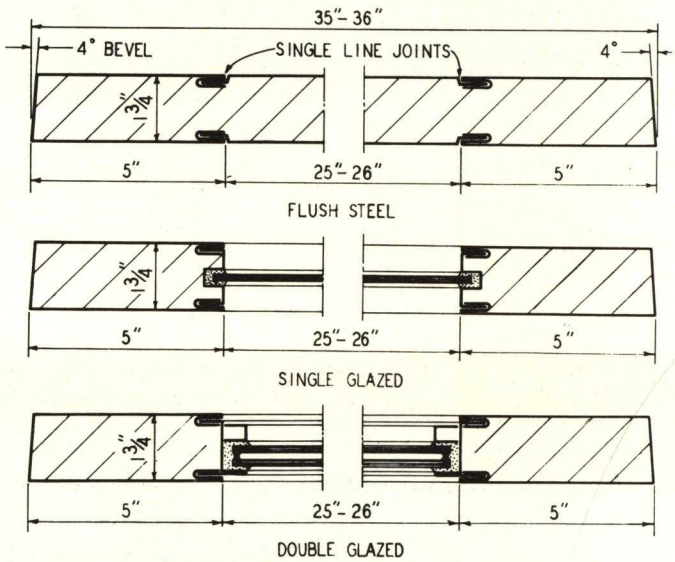
STEEL DUTCH *237
GLAZED DUTCH *238

NOTE - (ALL ABOVE TYPES CAN BE FURNISHED DOUBLE ACTING FOR SLIDE DOORS SEE PAGE 47 -CONSTRUCTION SAME)

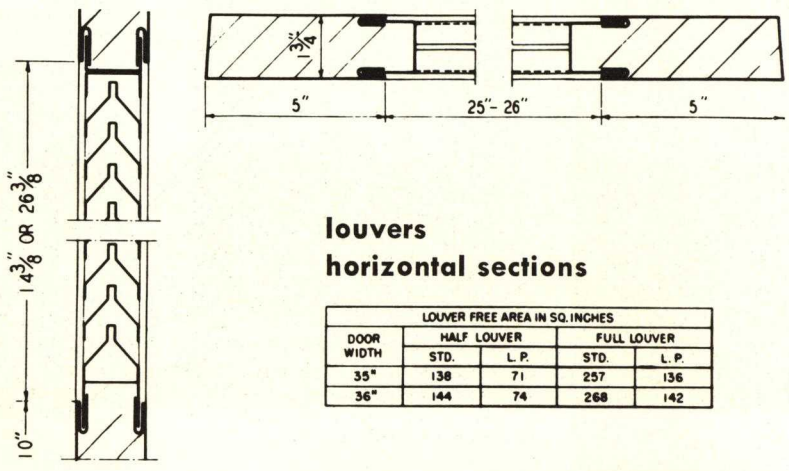
vertical sections thru doors



horizontal sections



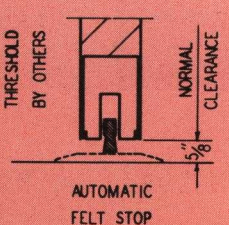
louver details vertical sections



louvers horizontal sections

DOOR WIDTH	LOUVER FREE AREA IN SQ. INCHES			
	HALF LOUVER		FULL LOUVER	
	STD.	L.P.	STD.	L.P.
35"	138	71	257	136
36"	144	74	268	142

miscellaneous details

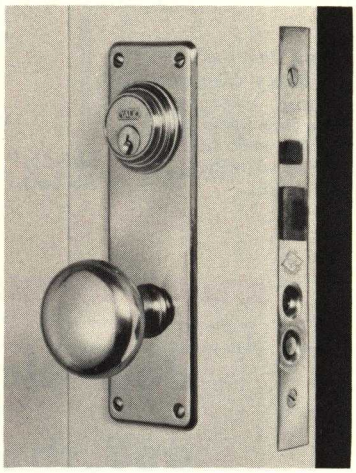


HARDWARE

Mills standard hardware, shown on these pages, is designed for use with all types of Mills interiors. Various types of locksets in tubular or cylinder style are interchangeable in mortises for that style. The hardware shown is carried in stock for immediate delivery. Specifications of non-stock hardware will cause a twelve week delay in scheduling as well as add to the cost of the installation. Mills hardware should be used since it is best installed on doors at the factory. Master key and sub master key systems can be furnished at any future time for use with standard hardware and standard doors.

mortise lock sets

All mortise lock sets are made to template and are interchangeable. Backset 2¾″; lock face 1⅛″ x 8″; escutcheon 2³⁄₁₆″ x 7⅜″. Master keyed cylinders of all standard makes fit Mills locks.

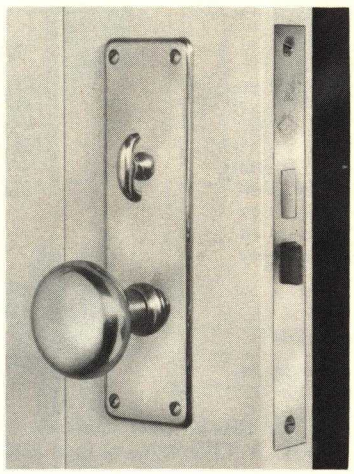


CT 76561 Pick-Proof Cylinder Lock Set

Operates by knob from inside and key from outside at all times. Outside knob is locked by stop in face. Auxiliary latch automatically deadlocks latch bolt so it cannot be forced back when door is closed, but does not prevent operation by key or knobs.

CT 77901 Cylinder Lock Set

Same as above but without auxiliary latch.

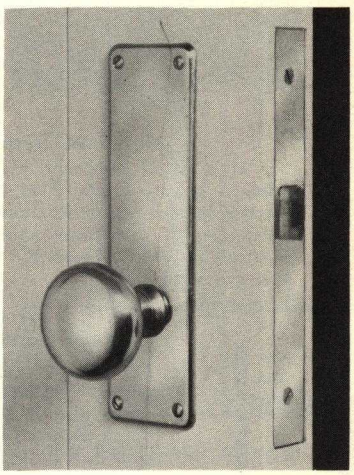


CT 715351 Single Communicating Lock Set

Operates by knob from either side. Thumb turn on inside only operates the dead bolt. Center of knob 40½″ above floor.

CT 715251 Double Communicating Lock Set

Same as above but with divided dead bolt. Thumb turns on both sides, each operate one half of dead bolt, making it possible to lock door from both sides independently.



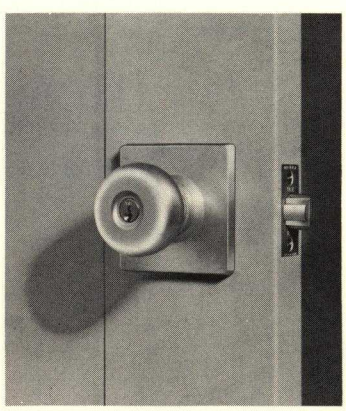
CT 710341 Latch Set

Latch Bolt operates by knob from either side, no locking device. Center of knob 40½″ above floor.

Standard Finish—U.S. 10 (Dull Bronze) Also Available:
U.S. 28 Alumilite
U.S. 26-D Dull Chrome

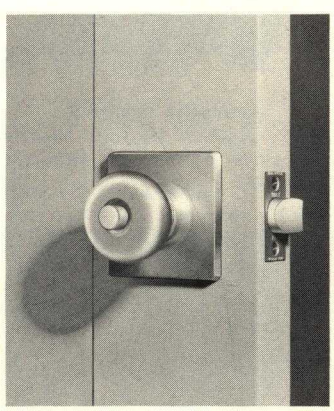
tubular lock sets

Key in knob simplifies detail on face of doors. Backset 2¾″. Lock face 1¹⁄₁₆″ x 2½″. Knob diam. 2¼″. Rose 3¼″ Square. Master keyed with other similar type locks of same manufacturer.



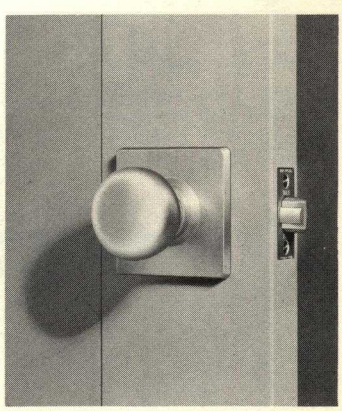
LW 5304 Deadlocking Tubular Lock Set

Operates by knob from inside and key from outside at all times. Outside knob is locked by push button in center of inside knob.



LW 5303 Single Communication Lock Set

Operates by knob from either side. Push button on one side locks knob on opposite side.

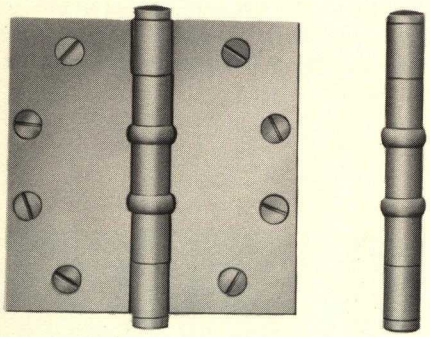


LW 5301 Tubular Latch Set

Plain latch bolt operates by knob from either side. No locking mechanism.

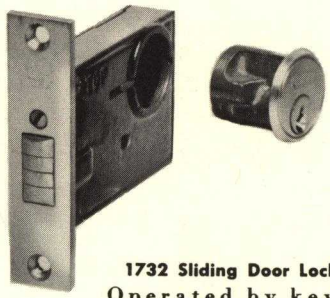
HARDWARE ... *Continued*

hardware for doors



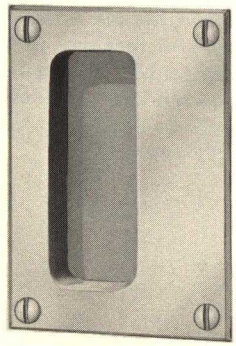
BB 179 Butt Hinges

Size 5″ x 4″ of hardened steel, .134″ thick polished bronze finish. Flat button tip. Ball bearing washers provide noiseless operation and long life. Two butts to each door up to and including 36″. Over 36″ three butts per door are furnished.



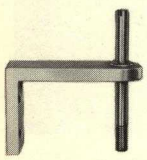
1732 Sliding Door Lock

Operated by key. Hooked latch engages with cast bronze keeper. Backset 2¾″; lock face 1″ x 4″. Used with flush door pull at right.



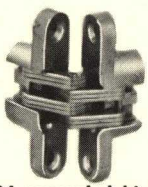
712 Flush Door Pull

Size 2¾″ x 4″. Bronze finish, furnished for both sides of sliding doors.



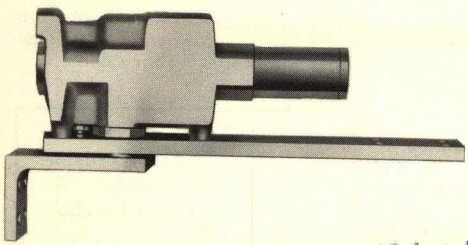
1804 checking gate pivot

For glazed railings. Single acting. Top element installed in cutout below glazed panel. Bottom element concealed in bottom of gate.



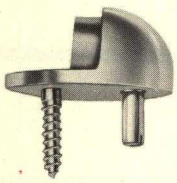
204 concealed hinge

For hinged cabinet doors. Fly leaf hinges invisible when door is closed.



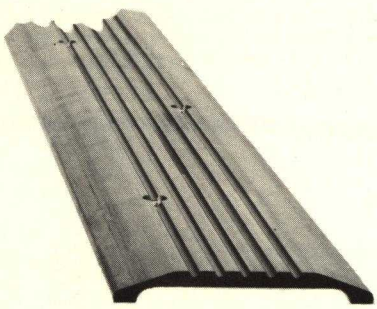
5813 flush ring pull

For flush cabinet and access doors.



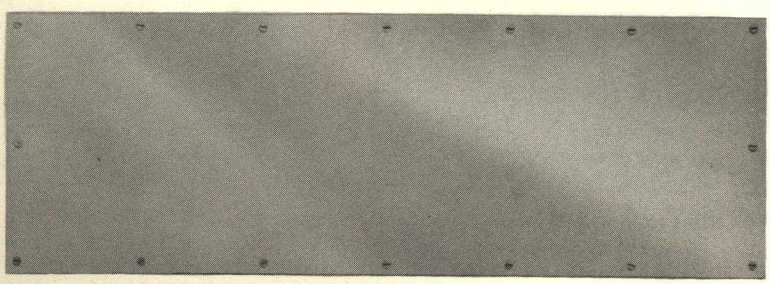
FB 13X door stop

Double floor support for firm anchorage. Height 1″; rubber bumper 1½″ wide.



Corrugated threshold

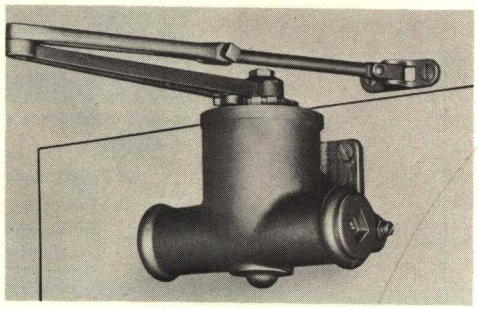
Height ½″; width 4″. Specify whether beveled both sides, or one side square for use with carpeting.



Kick plate

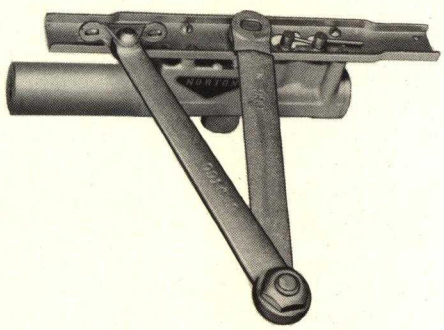
Height 10″. Width, 2″ less than width of door. Specify whether one or both sides.

door closers and checks



Size C, surface closer

Cast iron case painted to match partition. Holder arm, for holding door open, furnished when specified.



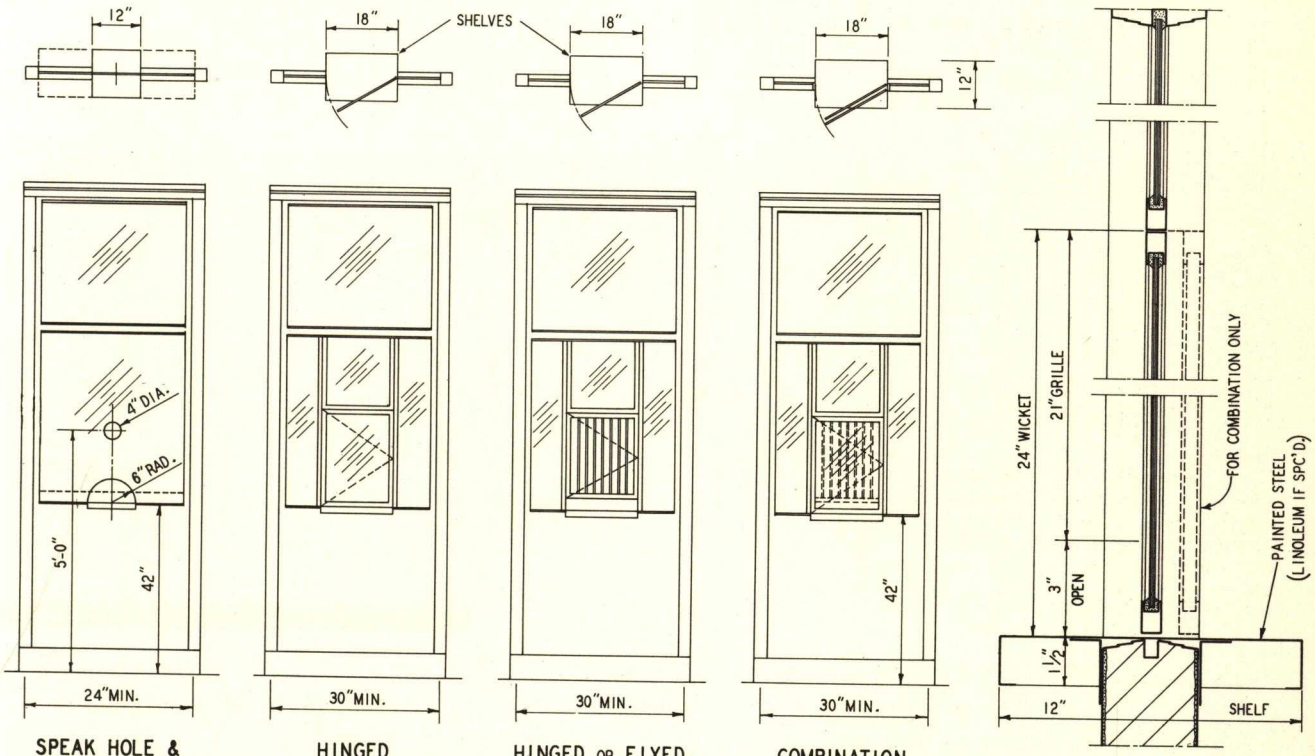
#904 concealed closer

Cast iron case completely concealed in door. Only arm is exposed. Arm painted to match door.

wickets and grills

SCALE 1/4" = 1'-0"

STOCK SIZE 18" x 24"



SPEAK HOLE & ALT. HAND HOLES----

HINGED WICKET

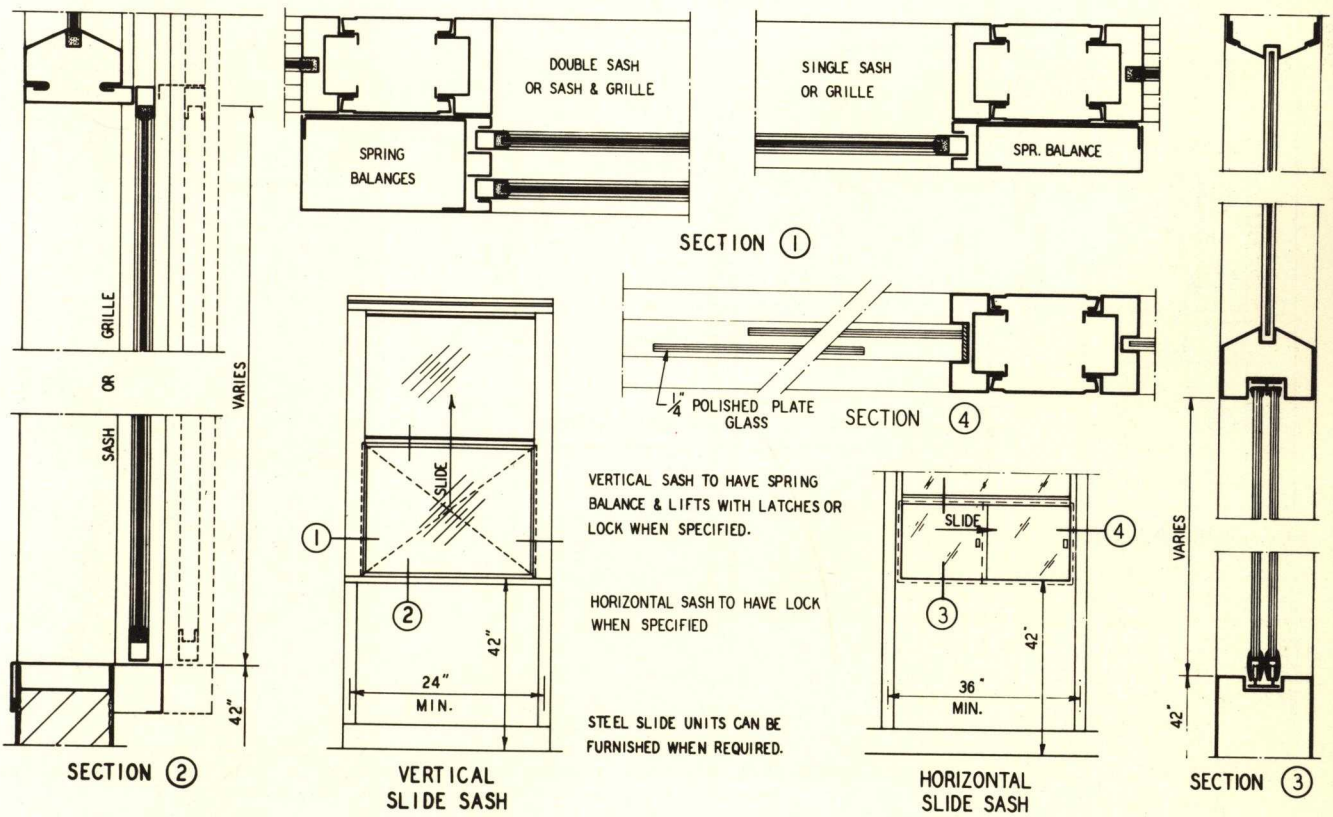
HINGED OR FIXED GRILLE

COMBINATION WICKET & GRILLE

TYPICAL VERTICAL SECT.

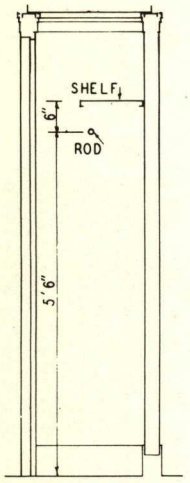
SCALE: 1½" = 1'-0"

slide sashes

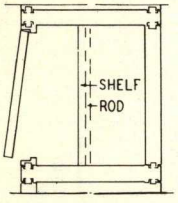


SECTION (2)

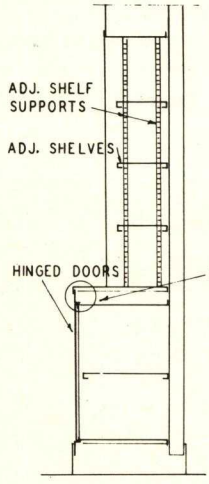
SHELVING AND COUNTERS



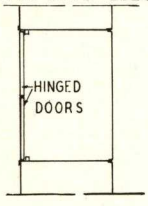
CLOSET SECTION WITH ROD & SHELF



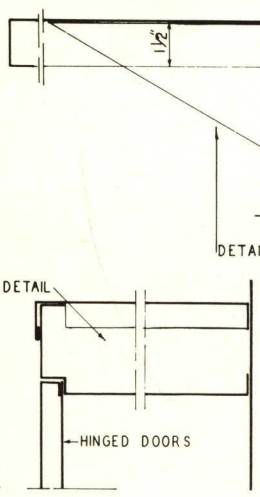
PLAN OF CLOSET



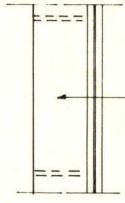
BOOK SHELVES WITH CUP'D BELOW



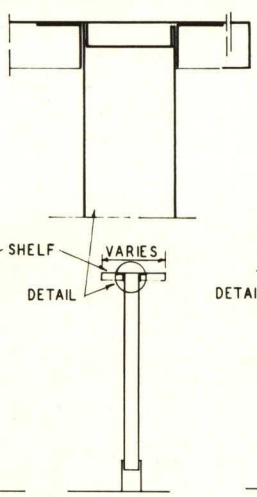
PLAN OF BOOK SHELVES



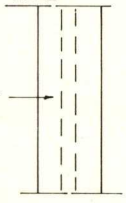
SHELF OFFSET ON GLAZED RAIL



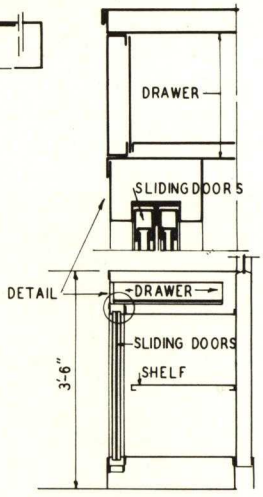
PLAN OF SHELF



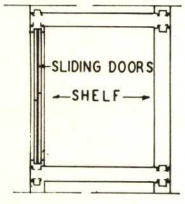
SHELF ON RAIL



PLAN OF SHELF

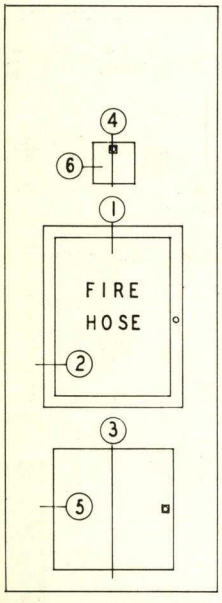


COUNTER WITH GLAZED RAIL

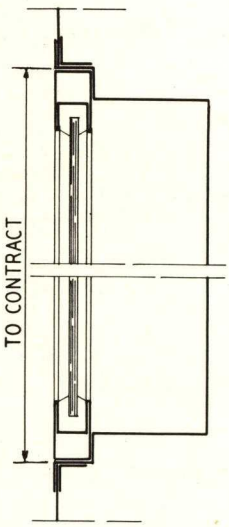


PLAN OF COUNTER

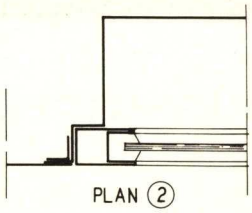
MISCELLANEOUS OPENINGS



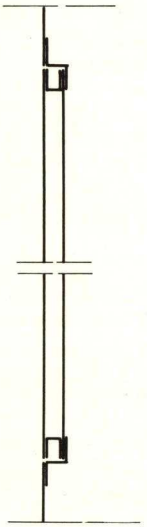
WALL LINING ELEVATION



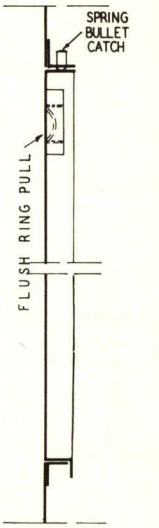
SECTION (1)



PLAN (2)

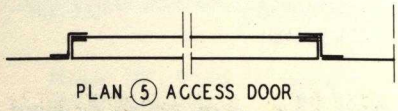


SECTION (3) ACCESS DOOR

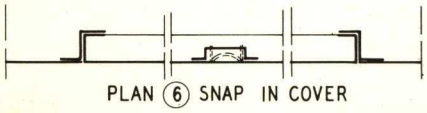


SECTION (4) SNAP IN COVER

STANDARD SIZE OPENINGS IN PANELS FOR ACCESS DOORS				
A	12"	18"	24"	24"
B	18"	31"	36"	48"

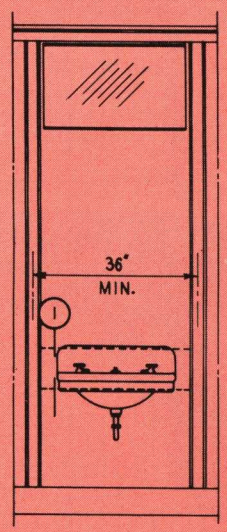


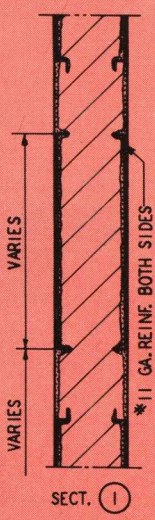
PLAN (5) ACCESS DOOR



PLAN (6) SNAP IN COVER

PANEL REINFORCEMENTS

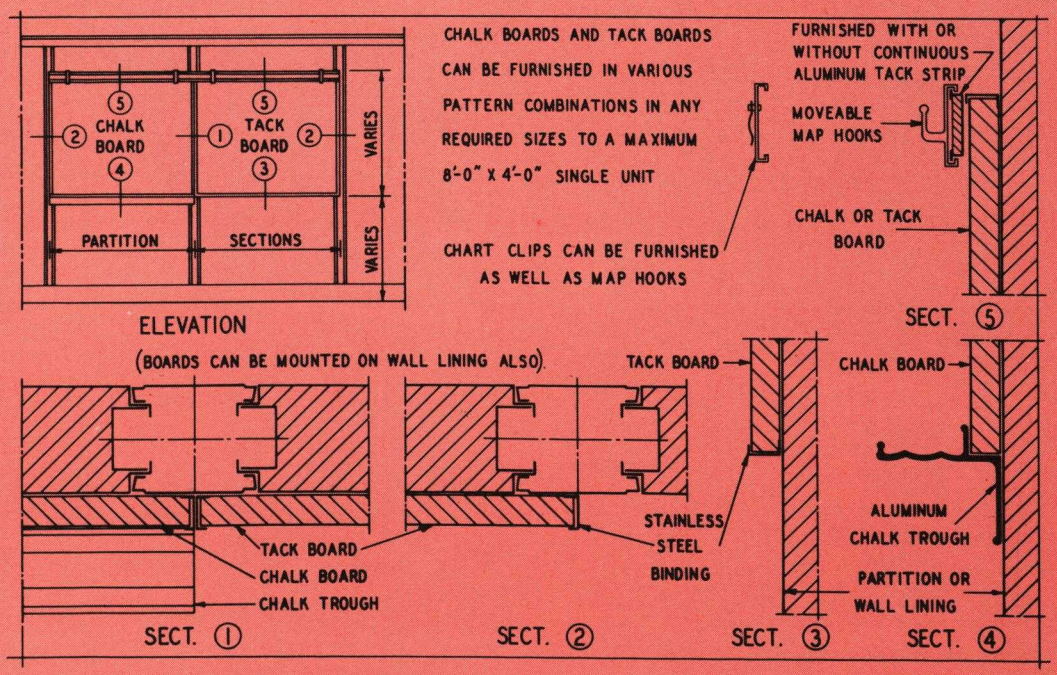




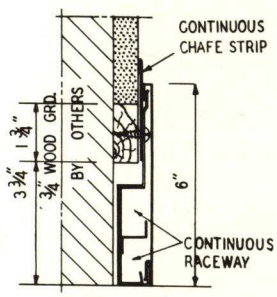
PANEL REINFORCEMENT

CHALK BOARDS AND TACK BOARDS

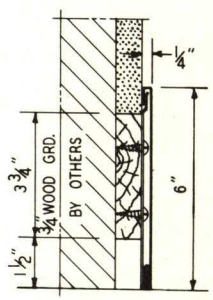
Chalk Boards and Tack Boards can be installed readily on Mills Movable Metal Walls. They are easily moved when it is desirable to change the layout of the room or to move the walls. Standard models of chalk boards and tack boards are bound and trimmed in stainless steel and furnished for use with slate or porcelain enameled steel chalking surfaces and composition or cork tackboards. Movable map hooks and chart hooks and extruded aluminum chalk trays are also available.



WIRING WALL BASE

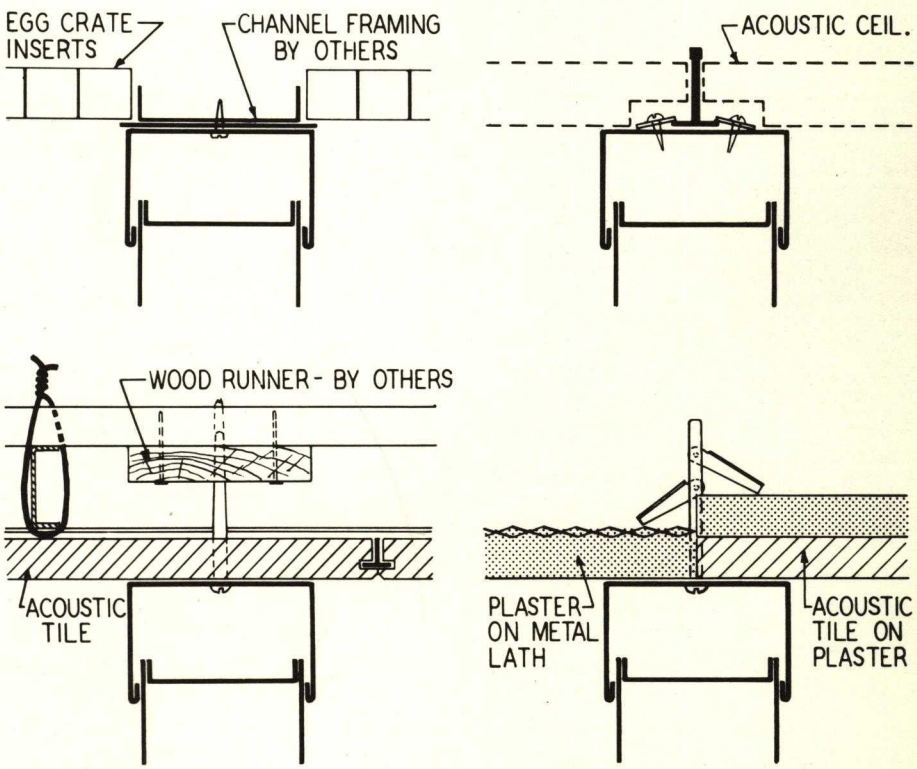


WIRING
WALL BASE



DUMMY
WALL BASE

SUSPENDED CEILING ATTACHMENTS



SALES REPRESENTATIVES
. . . IN ALL PRINCIPAL CITIES

ALABAMA

		Phone
Birmingham 3	Wilson Door & Window Supply Co., 716 Eighth Court, W.	ALpine 1-4533
Montgomery	Shepard M. Stewart, 1262 Magnolia Curve	AMherst 2-0473

ARIZONA

Phoenix	Beach Building Specialties, 1040 E. Camelback Rd., P.O. Box 2268	CRestwood 4-3555

ARKANSAS

Fort Smith	Felix Thomson Co., 423 N. 10th St.	SUnset 2-5067

CALIFORNIA

Los Angeles	(Whittier) B.L. Wilcox & Associates, 123 Baldwin Place,	OXbow 6-3213
San Francisco 3	Partition Specialties, 344 Harriet Street	UNderhill 3-7791

COLORADO

Denver 16	Leever Post Co., 4350 N. Broadway	AMherst 6-2475

CONNECTICUT

Hartford 5	The Reynolds Agency, 634 Asylum Ave.	JAckson 7-3151

DELAWARE

Wilmington 5	Jandy, Inc., 3407 Lancaster Pike	Wyman, Del. 8-2244

DISTRICT OF COLUMBIA

Bladensburg, Md.	John H. Hampshire Inc., 4626 Annapolis Rd.	Union 4-0300

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Miami	Joe Farrington, Inc., 300 Biscayne Blvd. Way, DuPont Center, Suite 414	FRanklin 4-1717
St. Pete 33	Building Specialties, Inc., P. O. Box 10969	5-4613
West Palm Beach	Engineered Products, 6205 South Dixie	JUstice 5-5545

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Atlanta	J. R. Ulery Company, 565 Plum St., N. W.	JAckson 1-2299

IDAHO

	Gerstner Specialties, Inc., 83 Navajo St., P.O. Box 336, Salt Lake City, Utah	EL 5-2993

ILLINOIS

Chicago 10	The Mills Company, 2561 W. 79th Street	WAlbrook 5-9700
Peoria	W. W. Grote Co., 3208 N. University	5-5612
Rockford	Architectural Iron Co., Inc., 904-22nd Street	3-8403

INDIANA

Evansville 14	Somers Engineering Sales, P.O. Box 752	GReenleaf 6-2640
Fort Wayne	Irmscher Sales, 2920 Engle Rd., P.O. Box 324	HArrison 4242
Indianapolis 22	Stackhouse Bldg. Specialties Co., 1314 W. Washington	MElrose 2-8503
South Bend	See The Mills Company, Chicago, Ill.	WAlbrook 5-9700

IOWA

Davenport	Plath Building Supply, P. O. Box 306	Dial 6-0177
Des Moines 8	Kurtz Hardware Co., 312-314 Walnut Street	AT 8-0148
Waterloo	Pinkerton Bldg. Supply, 302½ W. 4th St., Box 419	AD 3-3361

KANSAS

Hutchinson	Supply Service, Inc., 528 S. Main Street	MOhawk 3-9111
Topeka	See B-D-R Engineering Corp., Kansas City, Mo.	JE 1-8366
Wichita	Supply Service, Inc., 1111 N. Washington	AMherst 7-5831

KENTUCKY

Lexington	Faulkner-Clark Material Sales, 234 N. Upper St., Box 295	5-2984
Louisville	Kal-Flex Kentucky, 404 N. Hubbard Lane	TWinbrook 5-1577

LOUISIANA

New Orleans 16	Metal Bldg. Products Co., Inc. 1937 Lafayette St., Box 83	JAckson 5-3242
Shreveport	Harold Lipper Co., 301 Spring St.	4-6686

MAINE

	See Reynolds Agency, Boston, Mass.	

MARYLAND

Baltimore	John H. Hampshire Inc., 330 W. 24th Street	HOpkins 7-3970

MASSACHUSETTS

Boston	The Reynolds Agency, 419 Boylston St., Room 312.	KEnmore 6-4844
Pittsfield	Kenneth P. Ritchie, 21 North St., Room 205	HIlcrest 5-5375
Worcester 8	Chester E. Peterson Company, 306 Main Street.	PLeasant 4-0734

MICHIGAN

Alpena	Wiltse Bros. Corp., P.O. Box 32	4300
Detroit	Gardiner C. Vose, Inc., 18080 James Couzens	DIamond 1-4050
Flint 1		1-4051, 1-4052
Grand Rapids 7	J. P. Burroughs & Son, Inc., 625 W. Second St.	CE 2-2181
Lansing 29	Associated Material & Supply, 1222 Burton St., S. E.	CHerry 3-3653
Muskegon Hts.	Young Bros. & Daley, Inc., 720 East Michigan	IVanhoe 4-5431
Saginaw	General Building Materials Co., 2523 Sixth St.	3-2258
	Hugh Lee Iron Works, Inc., 925 S. Water Street.	PLeasant 7-0338

MINNESOTA

Minneapolis	Pella Products 929 Washington Ave., S.	FEderal 5-4137

MISSISSIPPI

	Open	

MISSOURI

Kansas City	B-D-R Engineering Corp., 4243 Pennsylvania Ave.	JEfferson 1-8366
St. Louis 17	Len A. Maune Company, 8500 Eager Road	WOodland 2-8100

MONTANA

	Open	

NEBRASKA

Omaha	Engineering Products Company, P.O. Box 1124	ATlantic 1776

NEVADA

	Gerstner Specialties, Inc., 83 Navajo St., P.O.Box 336, Salt Lake City, Utah	EL 5-2993

NEW HAMPSHIRE

	Chester E. Peterson Co., 306 Main St., Worcester Mass.	PLeasant 4-0734

NEW JERSEY

		Phone
	Northern Section see New York City Southern Section see Philadelphia	

NEW MEXICO

Albuquerque	Don J. Cummings Co., 7721 Apache Ave., N.E., Box 3103	9-2411

NEW YORK

Buffalo	A. O. Stilwell Co., Inc., 991 Main St.	GRant 6506
Canandaigua	James D. Reddick, P.O. Box 1	1718
New York 19	Mills Metal Partition Co., 640 Fifth Avenue	JUdson 2-6844
Syracuse	James D. Reddick, 500 Lafayette Bldg.	GRanite 1-2241
Rochester	James D. Reddick, 209 Powers Bldg.	LOcust 2-7331

NORTH CAROLINA

Asheville	S. R. Goldman, Room 212, Haywood Building	ALpine 3-1151
Carrboro	S. H. Basnight & Sons, Drawer 547, Main St.	Chapel Hill 9-458
Charlotte 1	R. R. Robertson, 1409 Independence Bldg. Box 56.	EDison 3-5561

NORTH DAKOTA

	See Pella Products, Minneapolis, Minn.	FEderal 5-4137

OHIO

Akron 10	Albert E. Hotard Company, 790 Thayer Street	FRanklin 6-7129
Cincinnati 2	Central Building Products Co., 626 Broadway	GArfield 1-0381,1-0382
Cleveland 3	Mills Metal Partition Co., Inc., 7500 Euclid Ave.	EXpress 1-3726
Columbus 23	Alvan Tallmadge Co., 624 Harmon Ave.	CApitol 1-7858
Dayton 2	Andrew Plocher Sons Co., 424 East First St.,	BAldwin 8-6128
Portsmouth	Earl C. Hayes Co., 1144 Eighth St., P.O. Box 509	ELmwood 3-4450
Toledo 7	Wm. C. Turnbull Co., P.O. Box 44, Sta. C.	CHerry 6-3437
Youngstown 4	L. D. Sheffield & Son, 4185 Belmont Ave. Ext.	RIverside 6-6323

OKLAHOMA

Tulsa 1	Building Specialties Co., 4403 S. Peoria	RIverside 3-1376

OREGON

Portland	Gamble-Hawkins Co., 1617 N. W. 14th Avenue	CApital 7-2546

PENNSYLVANIA

Erie	Erie Steel Products Company, 1400 Irwin Drive	4-1528
Philadelphia 3	Victor C. Smith, 1717 Sansom St.	LOcust 7-5377, 7-5378
Pittsburgh 22	Richard B. Wyatt, 1 Gateway Center	EXpress 1-4463
Reading	John H. Millard, 4 South 20th Street, P.O. Box 934.	FRanklin 3-6450
Scranton	Fred R. Evans, 312 Madison Avenue	DIamond 7-9691

RHODE ISLAND

Providence 7	Edcar Sales Company, 634 Broad Street	DExter 1-6123

SOUTH CAROLINA

Greenville	J. Mac Rabb Co., 10 Pine Forest Drive, P.O. Box 144	CEdar 2-1303

SOUTH DAKOTA

Rapid City	J. S. Kibben Co., Inc., 44 East Rapid Street	FIlmore 2-0144

TENNESSEE

Chattanooga	The Currin Company, 1208 Carter Street	AMherst 6-2762
Knoxville	Lee Martin, 400 Seventeenth St., P.O. Box 10300	2-1634
Memphis 12	Modern Doors & Windows, Inc., 2954 Summer Ave.	GL 8-3332
Nashville	Whittemore Products, Inc., 4012 Hillsboro Road	CY 7-7509

TEXAS

Amarillo	Ford Brick & Tile Co., 1707 West 8th St.	DRake 3-4822
Austin 31	Ranney Builders Specialty, 5215 East First St., P.O. Box 5062	GReenwood 6-6328
Corpus Christi	Anco Sales Co., P.O. Box 7293	TE 5-6259
Dallas	R. M. Sedwick Co., 230 Mercantile Comm. Bldg.	RIverside 1-3519
El Paso	Neff-Buckner-Holt, Inc., 600 W. Paisano Dr., Box 7278	3-1405
Houston 19	Buie Bldg. Material Co., 7400 Washington Ave.	UNderwood 4-7781
San Antonio	Rufus A. Walker & Co., 401 Delgado St., Box 8357.	PErshing 4-5139

UTAH

Salt Lake City	Gerstner Specialties, Inc., 83 Navajo St., Box 336	EL 5-2993

VERMONT

	Open	

VIRGINIA

Bristol	Engineering Sales Corp., 2005 W. State St.	NOrth 3784
Norfolk 7	John H. Hampshire, Inc., 714 Front Street	MAdison 5-3697
Richmond 22	John H. Hampshire, Inc., 2513 Chamberlayne Avenue	ELgin 8-1561
Roanoke 17	John H. Hampshire, Inc., 2101 Winston Ave., S. W.	DIamond 4-5163

WASHINGTON

Seattle 15	Fryer Knowles, Inc., 6202 Roosevelt Way	LA 3-7700
Spokane 31	Dix Steel Company, Broadway & Fiske	KEystone 4-2633

WEST VIRGINIA

Clarksburg	Kyle & Co., Corner Court St. & Washington Ave.	MAin 4-5481
Huntington 17	James J. Weiler & Sons, Inc., 202-220 Elm St.	JAckson 5-8123
St. Albans	John H. Hampshire, Inc., 428 Lore Street,	PArkway 7-9821

WISCONSIN

Eau Claire	Lee Building Specialties Co., 218 Graham Ave.	TEmple 2-0932
Milwaukee 2	J. Linc Kern Co., 759 N. Milwaukee St.	BR 6-8480

WYOMING

	J. S. Kibben Co., Inc., 44 East Rapid St. Rapid City, South Dakota	FIlmore 2-0144

FOREIGN REPRESENTATIVES

CUBA

Havana	Suinsa Suministros Industriales, Aparto de Correos P.O. Box 2736	U-8966

HAWAII

Honolulu	Theo H. Davies & Co., Ltd., 841 Bishop St.	56991

PUERTO RICO

San Juan	Earl K. Burton, Inc., Fernandez Juncos Ave., #1400 Stop 20, P.O. Box 1367	2-4672 or 3-3168

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